Radiologic Technology

DEGREE PROGRAM

www.aacc.edu

ANNE ARUNDEL COMMUNITY COLLEGE
School of Health Sciences
Dear Prospective Radiologic Technology Student,

Congratulations on considering radiologic technology as a career possibility!

Radiologic technology is a science combining advanced technology and human compassion. Radiologic technologists use their knowledge of physics, human anatomy and physiology to create permanent medical images. This is a profession that requires a dependable personality with a mature and caring nature. Imaging services are offered in various settings such as hospitals, health maintenance organizations, imaging centers, physicians’ offices, mobile imaging companies, industrial plants, research centers, government agencies, and commercial sales and marketing.

Individuals training in this profession may specialize in their own area or pursue careers as educators, researchers, consultants, or administrators with additional education. The constant growth in this field has created many new and exciting career opportunities. There are several choices to make when considering a career in radiologic technology.

Salaries may vary nationwide; however, the range is usually reflective of training, education, and experience. According to the American Society of Radiologic Technology, in 2020 a median salary for a new graduate radiographer in Maryland is $52,000. Excellent benefit packages often accompany a higher than average pay scale. Employment opportunities are available nationwide and offer the radiologic technologist flexible work situations to accommodate various lifestyles and needs.

The Anne Arundel Community College Radiologic Technology Program is accredited by the Joint Review Committee on Education in Radiologic Technology. Graduates who complete the minimum 69-credit program are eligible for certification in the field of radiologic technology. Our graduates have exceeded the national and state pass rate averages. For the past five years the overall pass rate has been 100%.

The two-year associate degree program begins in mid-summer prior to each academic year. The first step in the admission process is attendance at an information session. At this session, we will review the academic and admission requirements, the sequence of radiography courses and the projected time commitment.
We can also assist you in scheduling general education courses to prepare you for entry into the program. We look forward to meeting with you at an information session.

Sincerely,

[Signature]

Tammie Neall, MS, MT (ASCP)
Manager, Admissions and Advising
School of Health Sciences

Dr. Petal Lemessy, Dr.HS, MSHS, R.T. (R)
Academic Chair, Radiologic Technology
School of Health Sciences
Email: plemessy@aacc.edu

Email: tdneall@aacc.edu

FOR FUTURE INFORMATION SESSION DATES
CALL 410-777-7310 or visit http://www.aacc.edu/apply-and-register/credit-application/health-science-applicants/
MISSION

The program supports the college mission by fostering excellence in learning, teaching, and providing an environment conducive to student success. Program faculty are dedicated to preparing graduates who are technically competent, demonstrate a judicious use of ionizing radiation, exhibit optimal patient care, and are prepared for their roles in diverse communities of interest.

PROGRAM GOALS

1. Students will demonstrate clinical competence.
2. Students will demonstrate effective critical thinking skills.
3. Students will demonstrate effective communication skills.
4. Students will demonstrate professionalism.

STUDENT LEARNING OUTCOMES

Upon completion of the Anne Arundel Community College Radiologic Technology program, the student will be able to:

- Apply proper positioning for all radiographic procedures performed.
- Produce diagnostic images applying appropriate exposure parameters.
- Follow appropriate radiation protective practices.
- Adapt for patients in a Trauma 1 clinical setting.
- Adjust positioning skills and exposure parameters to meet patient needs and limitations.
- Exhibit effective oral and written communication skills in the clinical setting.
- Exhibit effective oral and written communication skills in the didactic setting.
- Demonstrate a high level of professional conduct appropriate for an entry-level radiographer.
- Demonstrate willingness to work for the common good.
College Admission

Students who wish to apply for the Radiologic Technology Program at Anne Arundel Community College should indicate the Radiologic Technology Field of Study on the College Admission Application or Student Academic Program/Curriculum Change Form available online or in Academic and Transfer Advising. To facilitate enrollment bring a copy of ACT, SAT, or advanced placement scores and unofficial high school/college transcripts to Advising. Application to the Radiologic Technology course sequence is a separate process. Admission to the Radiologic Technology curriculum does not assure students of selection into the Radiologic Technology course sequence.

Students can apply to Anne Arundel Community College online at www.aacc.edu. Paper copies of the college application are available in the college’s admissions office upon request.

Advising

After you apply to AACC and submit any prior transcripts, you can find your advisor and schedule an advising appointment on MyAACC.

- Click on MENU.
- Select SELF SERVICES.
- Locate and click on Academic & Transfer Advising
- Enroll in the Virtual Advising Center on Canvas
- Follow the directions to schedule an appointment with your assigned Health and Human Services advisor.

Email advising@aacc.edu if you have any problems accessing the Virtual Advising Center.

Students who are transferring general education requirements should have official transcripts sent directly to the college Records office. In order to facilitate evaluation of transfer credits to meet academic requirements, official transcripts from ALL previously attended institutions of higher education must be submitted in a timely manner.

In order to take prerequisite courses for this program, students must be eligible for ENG 101/ENG 101A and eligible for MAT 137. This will be explained in an advising session.
Application Deadline

Application deadline is February 15th. If the application deadline falls on a weekend, then applications will be accepted until the close of business on the next business day. Applications are to be emailed to behoward2@aacc.edu. Alternatively, students can mail their application to Anne Arundel Community College at

Anne Arundel Community College
ATTN: Health Sciences Admissions
101 College Parkway
Arnold, MD 21012

Information Session

- Attendance at a face-to-face information session is mandatory prior to submitting a program application. Information regarding dates and times of in-person information sessions can be obtained by visiting http://www.aacc.edu/apply-and-register/credit-application/health-science-applicants/ or by calling 410-777-7310.
- We will be hosting virtual information sessions. Virtual real-time information sessions will be considered face-to-face.
- There is no cost to attend.

Satisfactory Academic Standing

Students must have a minimum adjusted grade point average (GPA) of 2.5 at this college to be considered for selection to the Radiologic Technology Program.

Completion of the Radiologic Technology Program satisfies the following graduation requirements:

- Diversity Requirement (SOC 111 – Introduction to Sociology)
- Computer Competency Requirement
- Health and Wellness Requirement
**English**
Students must demonstrate eligibility for ENG 101/ENG 101A.

There are a number of ways that can be used to determine English eligibility:
- Qualifying SAT/ACT scores
- Appropriate score on the English placement test
- Unweighted High School GPA (if you graduated in the last 5 years)
- Successful completion of developmental courses, if applicable
- Transfer of credits for ENG 101
- Appropriate score on an AP exam
- Appropriate score on a CLEP test
- Appropriate score on GED test

Please see an academic advisor for details and more information.
Visit [https://www.aacc.edu/apply-and-register/credit-application/determine-placement/](https://www.aacc.edu/apply-and-register/credit-application/determine-placement/)

**Mathematics**
Students must demonstrate eligibility for MAT 137 College Algebra.

There are a number of ways that can be used to determine MAT 137 eligibility:
- Qualifying SAT/ACT scores
- Appropriate score on the Mathematics placement test
- Unweighted High School GPA plus course work (if you graduated in the last 5 years)
- Successful completion of developmental courses, if applicable
- Transfer of credits for a MAT 137 course
- Appropriate score on an AP exam
- Appropriate score on a CLEP test

Note: MAT 145, MAT 151, MAT 191 or MAT 230 satisfies the MAT 137 requirement. (Former MAT courses: MAT 121, MAT 131, MAT 141, or MAT 142 will also satisfy the MAT 137 requirement)

Please see an academic advisor for details and more information.
Visit [https://www.aacc.edu/apply-and-register/credit-application/determine-placement/](https://www.aacc.edu/apply-and-register/credit-application/determine-placement/)
**Test of Essential Academic Skills (ATI TEAS)**

- Student must demonstrate proficient scores of 58.7% or higher in reading, science, English/Language and mathematics with a total ATI TEAS proficient test score of 65% or higher. Scores are not rounded.
- The test score submitted with application must have been **successfully passed within 2 years of the date the application is submitted**.
- ATI TEAS may not be taken more than two times in a 1-year period.
- We will accept the best subject area scores of the two attempts of the TEAS.
- See enclosed information sheet on ATI TEAS. No other version of this test is acceptable.
- We will accept approved remote TEAS testing.

**Volunteer/Employment Experience (Recommended)**

- Applicant is encouraged to have 60 hours of volunteer and/or employment experience in a clinical health-related setting at the time of application within the last 7 years.
- To verify volunteer/employment experience the employer must complete a verification form, which is attached to the program application.

**Letters of Recommendation (Recommended)**

It is recommended to submit two letters of professional recommendation (forms provided with application packet). The letters should be from individuals who can objectively comment on applicant’s performance in an academic and/or professional setting. Recommenders should email their reference to vbardhi@aacc.edu or mail to the address listed on page 5 under Application Deadline.

**Interview**

Eligible candidates will be contacted to schedule an interview with the program and an observation day or Shadow Day. Interviews and Shadow Day opportunities are offered to applicants by invitation. Not all applicants will be offered an interview or the opportunity to participate in a Shadow Day.

**High School Graduate or Equivalency or Associate Degree**

- Official high school transcripts or official GED equivalency transcript must be submitted by the February 15th deadline. **OR**
- Official transcript verifying an associate degree or higher from a nationally recognized institution.

- A transcript/equivalency certificate is considered official when enclosed in a sealed envelope from the institution or sent electronically by sending institution; it must also
include a graduation/completion date and a school official’s signature. A copy of a high school or GED diploma does not constitute an official document and will not be accepted.

- Your application will not be considered complete if required document is not submitted by the application deadline or has not been previously submitted to and received by Anne Arundel Community College.
- All official transcripts are to be sent to the Records and Registration office. Visit the Records and Registration website for instructions: https://www.aacc.edu/apply-and-register/credit-application/apply/transfer-credit-to-aacc/

**College Credit Transfer**

- Applicants who have program prerequisite courses or other equivalent general education required courses completed from a nationally recognized institution must submit official transcripts to the Records and Registration office for review.
- A transcript is considered official when it is enclosed in a sealed envelope from the institution or sent electronically by sending institution; the transcript also includes a graduation date, if applicable, and a school official’s signature.
- The program application will not be considered complete if required transcripts are not submitted when the program application is submitted or have not been previously submitted to and received by Anne Arundel Community College by established deadline.
- All official transcripts are to be sent to the Records and Registration office. Visit the Records and Registration website for instructions: https://www.aacc.edu/apply-and-register/credit-application/apply/transfer-credit-to-aacc/

**International Students**

- Foreign educated students must have their college and high school transcripts evaluated by one of the following credential evaluators:
  - ECE (Educational Credential Evaluators) at www.ece.org
  - WES (World Education Services) at www.wes.org
  - SpanTran -The Evaluation Company at www.spantran.com

This evaluation must be done prior to evaluation by the Records office at Anne Arundel Community College. Please be advised that this process may take several weeks.
• **ALL** international students whose native language is not English must successfully pass the TOEFL (Test of English as a Foreign Language) with a minimum score of 550 (213 is the equivalent computer score and 79 is the equivalent Internet-based score) OR must have completed the ENG 101/ENG 101A and ENG 102 course sequence with grades of C or better prior to applying to the program. Anne Arundel Community College’s code for TOEFL is 5019.

For more information visit: [https://ww.aadd.edu/apply-and-register/credit-application/international-students/toefl-score-requirement/](https://ww.aadd.edu/apply-and-register/credit-application/international-students/toefl-score-requirement/)

• Non-U.S. Citizen applicants who have valid immigration status must submit valid immigration documentation to the AACC Admissions and Enrollment Development Office in order to complete the required College Application. For assistance regarding immigration documentation needed, please call 410-777-2152. Incomplete college applications may result in non-selection of a health sciences program.

• Please note: Students without a Social Security number may not be permitted at some clinical rotation sites; site availability may delay or inhibit progression in the program. An International Student Admission Specialist in the AACC Admissions and Enrollment Development Office may be able to assist international Students with F-1 visa status to obtain a Social Security number through Practical Training; please contact them at 410-777-2677. For detailed information please refer to the college catalog (available on campus or online at [http://catalog.aacc.edu/](http://catalog.aacc.edu/)).
Additional Information

Health Manpower Shortage Program

This program may be designated as a Health Manpower Shortage Tuition Reduction Program; therefore, some residents of Maryland (see college catalog) enrolled in this program of study on the first day of the term may be eligible for in-county tuition rates for courses required for program completion.

Certification/Licensure

Graduates of this program are eligible to sit for the national certification examination given by the American Registry of Radiologic Technologists (ARRT) (ARRT.org). Upon successful completion of this exam, graduates will be licensed as a Medical Radiation Technologist by the State of Maryland Department of Health (health.maryland.gov).

Accreditation

The AACC Radiologic Technology Program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT) (https://www.jrcert.org).

Radiologic Technology Grading Scale:

In all courses of the Radiologic Technology curriculum, it is necessary to achieve a final grade of C or better. The following grading system will be used for all Radiologic Technology courses:

GRADING

<table>
<thead>
<tr>
<th>GRADE</th>
<th>RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90 -  100</td>
</tr>
<tr>
<td>B</td>
<td>85 -  89.9</td>
</tr>
<tr>
<td>C</td>
<td>80 -  84.9</td>
</tr>
<tr>
<td>D</td>
<td>74.9 - 77</td>
</tr>
<tr>
<td>F</td>
<td>&lt; 74.9</td>
</tr>
</tbody>
</table>

Anything below a 67 is a grade of F.
Students must successfully complete each Radiology Technology course with a grade of C or higher. Grades are not rounded.

AACC Radiologic Technology Dress Code Policy

The personal appearance and demeanor of Anne Arundel Community College’s Radiologic Technology students reflect both the college and program standards and are indicative of the student’s interest and pride in the profession. An assigned uniform will be worn while on the clinical assignment and during lab. The uniform policy is written
based on policies and procedures from affiliated clinical sites as well as approval by the advisory board and program faculty.

Failure to comply with the dress code may result in the student being dismissed from the clinical setting until proper attire is worn. All clinical time missed due to noncompliance with the dress code must be rescheduled with the Clinical Coordinator. After one warning, each dress code violation will affect the student’s clinical grade.

**General Requirements**

The student is expected to maintain a neat, professional appearance, and therefore uniform requirements are to be followed while in attendance at the clinical sites as a student in the Anne Arundel Community College Radiologic Technology Program.

- All students are expected to maintain standards of personal hygiene.
- A clean, wrinkle-free uniform must be worn every clinical day. Shoes are to be clean and polished. Shoelaces should be clean.
- Students who do not look professional will be sent home. This will be a visual observation by college or clinical faculty.
- Students who violate the Dress Code Policy will be subject to debits as assigned by the Clinical Coordinator or Clinical Faculty.
- Uniforms with college patch are to be worn only when participating as an AACC Radiologic Technology student. They are not to be worn for outside employment.
- No gum chewing is allowed.

**Uniform**

**General Clinical Rotations and College Lab:**

- The student will wear uniform tops and pants purchased from Flynn O’Hara.
- **Class** requirements for each student includes:
  - Three pairs of uniform scrub pants
  - **Females:** Four uniform tunic tops with AACC School logo.
  - **Males:** Four uniform scrub tops
  - Optional: One uniform scrub jacket in white with AACC School logo.
- Black socks, knee high stockings, or full-length pantyhose/stockings are to be worn with the pants uniform.
- Black closed-toe and heel professional shoes are preferred. All black athletic shoes (tie shoes are recommended) are permitted subject to approval by program faculty. No canvas shoes are permitted.
- Full cut undergarments will be worn under the uniform.
- Students may wear plain, white undershirts or turtlenecks under the uniform tops, **but may not hang below the uniform scrub top.**
- Students must wear a wristwatch capable of indicating time to the nearest second.
- Scrub coats/jackets may be worn over the required uniform with the uniform patch sewn onto the left sleeve. **No other jacket or sweater is to be worn.**
Surgical/Trauma Rotations:

- Scrubs will only be worn in pre-designated areas.
- A cover gown or lab jacket must be worn at all times over surgical scrubs when not in operating suite to maintain medical asepsis.
- Scrubs are not to be worn outside the hospital or in the cafeteria. Surgical masks or bonnets are not to be worn outside the clinical area. Do not take or wear hospital scrubs home; doing so breaches standard precautions policies.

Name Badge

- An AACC identification badge will be worn in plain view at all times in clinical and lab. If the clinical site requires its own special identification badge, this may be worn instead of the college identification badge.
- No embroidered names or monograms are permitted on the lab jacket or shirt.
- Absence of ID badges is considered a dress code violation.

Radiation Badge

- Student must always wear the assigned radiation badge while at their clinical assignment.
- The collar badge should be worn near the neck and outside of the fluoroscopy apron during fluoroscopy procedures.
- Film badges are changed prior to the first working day of each month and must be turned in on time.
- Students will review and initial their exposure levels as reports are received from the radiation safety officer.
- Badges are exchanged quarterly.

Markers

- Students will be issued unique lead markers (containing their initials) to properly identify anatomical references on radiographs. All radiographic exams performed by the student must be marked with the student’s markers.
- Any student who loses their marker(s) must order replacement markers via the Internet.
- The student must notify the Clinical Coordinator immediately of lost markers then obtain temporary markers.
- The student must carry two set of right and left markers during all diagnostic clinical rotations to avoid a dress code violation.
- Marker will be rectangular red and blue with the students’ initials.
- Students will be sent home if they do not have a radiation badge, both markers and ID Badge. Any missed time will need to be completed prior to the end of the semester.
Facial Hair
- The student must be clean-shaven on a daily basis.

Jewelry
- Jewelry worn is limited to a wedding band, a watch, and a single set of stud-type earrings worn in the ear lobe only. Jewelry piercings in the cartilages or tragus of the ear may not be worn in clinic or in lab.
- No other visible pierced body adornments (including tongue rings) may be worn. Clear substitutions may not be worn in replacement of visible body adornments including tongue piercings.
- Gages or gaging the earlobes or in the ears is not permitted. Bandages are not permitted to be worn on the ears or earlobes.

Hairstyles
- Hair must be tied back or pinned up away from the face (including eyes) and off the collar.
- Hair coloration is limited to natural human hair colors.
- If a turban or scarf must be worn, it should be kept simple and should match the uniform with prior approval.

Fingernails
- Nails should be short and trimmed.
- Colored nail polish, French nail manicures, and artificial nails or tips may not be worn.

Cosmetics, Perfumes and Colognes
- Use of cosmetics should be discrete and kept to a minimum.
- Perfume or cologne may not be used.

Tattoos
- All tattoos must be kept covered while on clinical rotations and in lab. Students are not permitted to wear Band-Aids on the face, neck (face and/or side) or ears to cover tattoos.

Exposure Guide and Clinical Notebook
- Students must carry an Exposure Guide and their Clinical Notebook, complete with required clinical paperwork, during ALL clinical rotations to avoid a dress code violation.
- Students may be sent home without the appropriate paperwork.
- Students must carry a black/blue pen daily.
**Cell Phones**

- Students may carry cell phones/camera phones but they may **NOT** be turned on while working with patients.
- Students may only use the cell phones in the event of an emergency or while they are on break or at lunch.
- Cell phones/camera phones may never be used in restricted areas.
- Students may not charge their cell phone at the clinical sites.
- Students using cell phones/camera phones during patient care activities will be given a dress code violation and may be placed on **Clinical Warning**.
- Cell phones may not be used as a calculator during class or in lab.

**Smoking**

AACC and Sponsored Clinical sites are smoke-free campuses. Students are not permitted to smoke on campus and also not permitted to smoke in their uniforms. Students will be sent home if this occurs.

**Readmission**

Students who leave or are dismissed from the Radiologic Technology course sequence may address a written petition for readmission to the department chair. Readmission cannot be assured and is based on the criteria described in the **Readmission Requirements** available through the department chair. Requests for readmission must be received by the Radiologic Technology department by August 15 for the spring term and January 15 for the summer or fall terms. Prior radiologic technology courses must have been taken within the past year.

**Transfer From Other Radiologic Technology Programs**

1. Transfer students are those students who have completed radiologic technology course work with a grade of C or better in a JRCERT accredited radiologic technology program (but have not completed this program), and have petitioned the Anne Arundel Community College Radiologic Technology program for admission to the Radiologic Technology course sequence. Students seeking transfer must have been enrolled in radiologic technology course work within the past year. Students must complete the admission requirements.

2. Transfer students will be admitted into the Radiologic Technology course sequence at the beginning of RAD 121/122/123 or RAD 211/212 course sequences. According to the college residency requirement 30 credits must be completed at Anne Arundel Community College in order to graduate. Exception may be made only through petition to the Academic Standards Committee.

3. Students seeking admission to the Radiologic Technology course sequence will be advised by the Department Chair of Radiology of the transfer admission criteria (academic and technical standards, clinical proficiency evaluation,
evaluation fees, and residency requirements) which must be fulfilled. All pertinent written information and forms will be mailed to the student.

4. Students seeking transfer must be in good standing with current program. Students must provide a letter of recommendation from the program director.

**Pregnancy Policy**

The National Council on Radiation Protection (NCRP#16) recommends a total dose equivalent limit (excluding medical exposure) of 0.5 rem (5 mSv) for the embryo-fetus. Once a pregnancy becomes known, exposure of the embryo-fetus shall be no greater than 0.05 rem (0.5 mSv) in any month (excluding medical exposure).

For purposes of radiation protection, it is recommended by the National Council on Radiation Protection (NCRP) that persons involved in the use of ionizing radiation notify program officials immediately if pregnancy is suspected. It is possible to limit occupational exposure to less than 0.5 rem per entire gestation period and prevent exceeding embryo-fetal dose equivalent limits through personnel monitoring, proper radiation safety instruction, and adherence to all radiation safety policies. In accordance with the NRC recommendations, the Radiologic Technology Program at Anne Arundel Community College requests any student who suspects a pregnancy to notify the program faculty immediately.

As soon as a student confirms that she is pregnant, it is recommended that she notify the program faculty. Should the student choose to declare her pregnancy, she must do so, in writing, to the Radiation Safety Officer and Department Chair and submit documentation from her physician verifying her pregnancy and the expected delivery date. The Radiation Safety Officer will review the student’s past exposure history, determine if radiation restrictions should be applied and counsel the student. A copy of the documentation “Guide for Instruction Concerning Prenatal Radiation Exposure” will be given to the individual as required by State of Maryland, NRC, and OSHA. The student will sign documentation that this information has been received.

A student who has submitted a voluntary declaration of pregnancy has the option at any time to withdraw the declaration of pregnancy. This must be submitted in writing to the Radiation Safety Officer and Department Chair. In the absence of any voluntary disclosure of pregnancy or written withdrawal of declaration, students are not considered to be pregnant. Anne Arundel Community College and the radiography program shall not be responsible for any decision made by the student.

Following a declaration of pregnancy and counseling by the Radiation Safety Officer, the student must notify the program faculty, in writing, within ten working days of her decision on one of the following options:

1. Termination of enrollment in the program.
2. Withdrawal from the program for a period of one year after completion of the current semester with routine assignments in fluoroscopy, portables, surgery,
and special procedures. The Radiation Safety Officer will issue a monthly fetal 
monitor for the individual to wear in addition to her regular film badge. *

3. Withdrawal from the program for a period of one year after completion of the 
current semester with limited assignments in fluoroscopy, portables, surgery, and 
special procedures. The Radiation Safety Officer will issue a monthly fetal 
monitor for the individual to wear in addition to her regular film badge. *

4. Withdrawal from the program for a period of one year without completion of the 
current semester.*

5. Deceleration to part-time status with withdrawal from clinical course work.*

6. Continuation of full-time status with reassignment of rotations** (as requested by 
the student) coordinated with the Clinical Coordinator. The Radiation Safety 
Officer will issue a monthly fetal monitor for the individual to wear in addition to 
her regular film badge. ***

7. Continuation of full-time status without reassignment of rotations. All clinical and 
didactic duties and assignments must be performed as usual. The Radiation 
Safety Officer will issue a monthly fetal monitor for the individual to wear in 
addition to her regular film badge.

If a student chooses to withdraw from the program for one year, she must notify the 
Department Chair of her intention to return to the program. Readmission will be based 
on space available and the student’s satisfactory completion of a Special Topics 
Course.
Withdrawal from the program for greater than one year will require the student to 
reapply in accordance with standard admissions procedures.
This policy, discussed with all applicants prior to acceptance into the program, is 
reviewed with the entire class upon enrollment in the program. All students are required 
to sign a form indicating their knowledge and understanding of this policy. This form is 
kept on file with the student’s applications.
* Options 2 – 5 automatically extend the program of study by one full year.
** The program will make every effort to reassign the student as requested; however, 
the student must realize that reassignment may not be possible.
*** Option 6 may extend the program of study.

This policy is based directly upon Nuclear Regulatory Commission Draft Regulatory 
Guide DG-8014 (Proposed Revision 3 to Regulatory Guide 8.13). A copy of this 
regulatory Guide is available to all students upon request.

The Radiologic Technology Curriculum

The Radiologic Technology curriculum includes the prerequisite courses, general 
education courses, and the radiologic technology courses: RAD 101, 111, 112, 121, 
122, 123, 211, 212, 231, 232, 251, and 252. Successful completion of RAD 101 with a 
grade of C or higher is required for students to continue in the Radiologic Technology 
course of study. Students who complete this minimum 69-credit program will be 
awarded an Associate of Applied Science degree. This program is accredited by the 
Joint Review Committee on Education in Radiologic Technology (JRCERT). Admission
to the Radiologic Technology curriculum does not assure students of selection into the program.

**REQUIRED COURSES**

**Prerequisite Courses**

All 7 (seven) prerequisite courses listed below must be completed by the end of Spring semester in which you apply. All prerequisites must be completed with a grade of C or better with a cumulative prerequisite GPA of at least 3.0 (no rounding) to be considered for selection to RAD 101. It is recommended but not required that the Science and Math prerequisites be taken within 7 years of the semester the application is submitted.

Due to the selection process, the Radiologic Technology program cannot accept Pass/Fail as a replacement for letter grades in the required courses.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 137</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>BIO 231</td>
<td>Human Biology 1</td>
<td>4</td>
</tr>
<tr>
<td>BIO 232</td>
<td>Human Biology 2</td>
<td>4</td>
</tr>
<tr>
<td>- or -</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 233</td>
<td>Anatomy &amp; Physiology 1</td>
<td>4</td>
</tr>
<tr>
<td>BIO 234</td>
<td>Anatomy &amp; Physiology 2</td>
<td>4</td>
</tr>
<tr>
<td>SOC 111</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101/ENG 101A - and - ENG 102*</td>
<td>Academic Writing and Research 1, 2</td>
<td>6</td>
</tr>
<tr>
<td>COM 111</td>
<td>Fundamentals of Oral Communications - or -</td>
<td></td>
</tr>
<tr>
<td>COM 116</td>
<td>Fundamentals of Oral Communications For Non-Native Speakers</td>
<td>3</td>
</tr>
</tbody>
</table>

▲ MAT 145, MAT 151, MAT 191 or MAT 230 satisfies MAT 137 requirement. (Former MAT courses 121, 131, 141 or 142 will also satisfy the MAT 137 requirement.)

♣ See college catalog for English and general education math eligibility requirement.

# BIO 101 (Fundamentals of Biology) is a prerequisite for BIO 233. Therefore, it will take three terms to complete this science sequence.

* Students who previously completed the English Composition general education requirement sequence ENG 111/ENG 112 or ENG 115/ENG 116 or ENG 121 with a
grade of C or better have fulfilled the ENG 101/ENG 101A and ENG 102 requirements. Students who previously completed ENG 111 or ENG 115 and have NOT taken ENG 112 or ENG 116 will have to take ENG 101/ENG101A to fulfill the English requirement.

**Estimated Costs*  

*Costs are subject to change

For current tuition rates and student fees please visit [Credit Tuition & Fees - Anne Arundel Community College (aacc.edu)](http://aacc.edu).

**Estimated Book and Uniform Costs:**

<table>
<thead>
<tr>
<th></th>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer</td>
<td>$732</td>
<td>$0</td>
</tr>
<tr>
<td>Fall</td>
<td>$537</td>
<td>$167</td>
</tr>
<tr>
<td>Spring</td>
<td>$120</td>
<td>$639</td>
</tr>
<tr>
<td>CPR</td>
<td>Estimated cost at AACC is $116</td>
<td></td>
</tr>
<tr>
<td>Certified Background Checks/Medical Document Manager</td>
<td>$63.50</td>
<td></td>
</tr>
<tr>
<td>Drug Screen</td>
<td>$31</td>
<td></td>
</tr>
<tr>
<td>Estimated Costs of Health Examination and Immunizations</td>
<td>Variable depending on Health Insurance</td>
<td></td>
</tr>
</tbody>
</table>

Students of the Radiology Technology Program are responsible for transportation to the assigned clinical sites. Students are also responsible for payment of parking passes, parking fees and toll fees.

The program has over 18 clinical sites that include facilities in Glen Burnie, Millersville, Annapolis, Bowie, Baltimore City, Kent Island and Owings Mills.

All students are required to complete an evening rotation (1-9 pm) at University of Maryland Shock Trauma in Baltimore City. Students must also complete rotations in the Operating Room, Orthopedics, Emergency Room, Fluoroscopy, Portable X-ray, Out-Patient, Hospital and CAT Scan. Students are assigned to clinical sites to meet the requirements and standards of the program. Students attend clinical sites from 7:50 am to 4 p.m.
**Professional Liability**

**Liability (Malpractice) Insurance**

A student is responsible for the student’s actions in contact with patients and others during clinical assignments. Students are covered by professional liability insurance through Anne Arundel Community College for acts or omissions committed within the scope of the students’ clinical assignment, including, but not limited to, negligence in patient care. Please note that exceptions to insurance coverage may apply, such as an exception to coverage for intentional acts.

All incidents that occur during a clinical assignment that results in personal injury to patients, clinical affiliate personnel, or the student and/or property damage must be reported immediately to the Clinical Coordinator and Program Director as soon as practicable. An incident report must be written to document what took place and a copy of the report must be submitted to the Program Director of Radiologic Technology. All incident reports are kept on file in the School of Health Sciences office and undergo review by the Dean of Health Sciences. The Dean of Health Sciences must submit the incident report to the College’s Risk Manager.

**Health and Accident Insurance**

In the case of accidents or illness which occurs during clinical hours, the following policies will apply. If a student becomes ill or injured while on duty, he/she should report to the clinical instructor or designate. If injury is clinically related, an incident report should be filed and a copy should be sent to the program director. The student will be financially responsible for his/her treatment. In any case, if the student does not have any insurance coverage, any financial responsibility for treatment will be the student’s responsibility. It is advisable to contact your health care and automobile insurance agent to inquire about health and accident insurance and premiums if you are not covered by spouse or parents.
APPLICATION/SELECTION PROCESS

- Radiologic Technology applications are available on the college website at https://www.aacc.edu/apply-and-register/credit-application/health-science-applicants/

- Eligible students desiring entry must submit the completed application by the February 15th deadline via email to behoward2@aacc.edu or send via mail to:

  Anne Arundel Community College  
  ATTN: Health Sciences Admissions  
  101 College Parkway  
  Arnold, MD 21012

- Late applications will not be accepted.

- Students eligible to submit applications for selection are those who have completed all of the admission and academic requirements by the end of the spring term.

- Applications will be reviewed and students will receive an email regarding the status of their application.

- Initial selection to the summer class (RAD 101) will be made according to the criteria listed in the section “Selection Criteria” following evaluation of spring term grades.

- Selected applicants will receive an acceptance email packet assigning them to one of the following categories: **Conditional Acceptance or Wait List status.**

  - **Conditional Acceptance:**
    - Applicants who have met the academic and admission requirements and have been selected for RAD 101, the first course in the Radiologic Technology sequence. Final acceptance in the program shall be contingent upon satisfactory completion of an interview, shadow lab, criminal background check, health examination record, and submission of a copy of the required CPR card. Completion of RAD 101 with a grade of C or better is required for final program acceptance and to progress in the program. A drug screening may be required. With the acceptance packet, conditionally accepted students will receive the Health Examination Record, Criminal Background Check and CPR Instructions to be completed by a designated deadline. **Conditional Acceptance** candidates who do not meet this deadline will not be considered for admission and the next person on the wait list will be contacted.

  - **Wait List:** In the event that there are more qualified applicants than seats available, qualified applicants not initially chosen for conditional acceptance will be placed on a wait list in rank order and notified of selection if and when a seat becomes available.
becomes available.

- Conditionally accepted candidates must attend a mandatory meeting on a designated date. **Conditionally accepted candidates not attending this meeting will lose their seat in the class. Exceptions will not be considered for any reason.**

**Selection Criteria**

The criteria used to select the **Conditional Acceptance** candidates will be applied in the following order:

1. Applicants who meet the February 15th application deadline.

2. Satisfactory completion of all academic and admission requirements.

3. The admissions department will choose the most competitive applicants and will review the following:
   - Cumulative prerequisite GPA
   - Volunteer/employment experience in health-related setting
   - Interview
   - ATI TEAS scores
   - Letters of professional recommendation

4. Conditionally accepted students will be required to do a Shadow Day. Program coordinator will notify students and give instructions.

5. Final acceptance into the program shall be contingent upon review, satisfactory completion of a criminal background check, completion of a health examination record, and submission of a copy of appropriate CPR certification card; completion of RAD 101 with a grade of C or better is required for final program acceptance and to progress in the program. A drug screening may be required.

**Technical Standards**

1. Students conditionally accepted to the program will be required to complete the **Health Examination Record**. Once a physician certifies that the candidate meets the technical standard requirement (defined in #2 below) as established by the department within the scope of practice of the profession, and the department receives and concurs with the physician’s certification, the candidate will be considered as having met the technical standard requirement.

2. Qualification: Good physical and mental health.

Admission Criteria (Technical Standards): Student must be free of contagion and possess sufficient stamina with or without reasonable accommodations, as may be
required by law, and mental stability to fulfill the requirements of the program and the customary requirements of the profession:

- Work for 8-12 hours performing physical tasks requiring sufficient strength and motor coordination without jeopardy to patient and student safety as, for example, bending, lifting, turning and ambulating patients.
- Perform fine movements and be able to manipulate instruments and wide variety of equipment according to established procedure and standards of speed and accuracy.
- Establish and work toward goals in a consistently responsible, realistic manner.
- Have auditory ability sufficient to monitor and assess health needs (for example: communicate verbally, in an effective manner, with patients and other personnel).
- Have visual ability sufficient for observation and assessment necessary for patient care (for example: read and process patient-related information like patient charts and requisitions).

**Criminal Background Checks and Drug Screening**

All Health Sciences students who are offered admission and/or clinical placement will be required to submit to a complete criminal background check and urine drug screen. All student applicants’ final acceptance in the program shall be contingent upon satisfactory completion of a criminal background check and of a urine drug screen.*

All letters of acceptance shall state that the acceptance is conditional and contingent on submission to a criminal background check and urine drug screen—as may be required by the program—that results in satisfactory reports. If an accepted student tests positive for an illegal or un-prescribed drug, the student shall be denied admission or terminated from any Health Sciences program.

Separate, additional criminal background checks and urine drug screens may be required by clinical sites prior to placements. Students with an unsuccessful background check or urine screening who are denied by a clinical site that is required to meet program competencies shall be dismissed from the program and their registrations shall be withdrawn from courses related to the program of study. If the student tests positive for an illegal or un-prescribed drug, the student shall be denied admission or terminated from any Health Sciences program even if a denied placement was not required to meet program competencies. Successful reports of criminal background checks and urine drug screens do not assure eligibility for specific clinical site placement, program completion, and/or eligibility to sit for professional licensure/board examinations.

Students are reminded that licensing boards for certain health care occupations and professions may deny, suspend, or revoke a license or may deny the individual the opportunity to sit for an examination even if the individual has completed all program course work if it is determined that an applicant has a criminal history or has been
convicted of, or pleads guilty, or pleads nolo contendere or the like to a felony or other serious crime.

Successful completion of a Health Sciences program of study at Anne Arundel Community College does not guarantee licensure, the opportunity to sit for a licensure examination, certification or employment in the relevant health care occupation.

Students may be automatically denied admission or, if enrolled, dismissed from the program if they have not been truthful or have provided inaccurate information on the application or on any other form or submission. Students who have questions or concerns are encouraged to contact the Health Sciences Admissions Office at healthsciencesadmissions@aacc.edu.

*Notwithstanding the statements herein regarding urine drug screens, as of September 2010, only certain programs will be requiring drug screening. AACC shall inform students which programs presently require them. However, AACC, at any time, has the right, upon notice, to require any and all students in any and all programs to comply with drug screening.*

NOTE: Licensing boards for certain health care occupations, including Radiologic Technology, may deny, suspend, or revoke a license or may deny the individual the opportunity to sit for an examination even if the individual has completed all program course work, if it is determined that an applicant has a criminal history or is convicted or pleads guilty or nolo contendere to a felony or other serious crime. If applicable, it is recommended to contact the American Registry of Radiologic Technologists for clarification at 651-687-0048.

PLEASE NOTE: AACC will only accept criminal background checks performed by college approved vendor. Criminal background checks are completed online and must be paid for by the student. Information and instructions are given to applicants once accepted into the program.

Additional Information:

The School of Health Sciences’ Health Examination Requirements are aligned with the clinical site requirements. The Clinical sites allow students to fulfill their program required clinical rotations pursuant to an Affiliation Agreement with the College. Therefore, the College and its students are required to abide by and follow the clinical site requirements. Most of the clinical sites require proof of the influenza vaccine, and some may require the COVID-19 vaccine or other vaccines. If the site requires one of these vaccines, it will not permit students on site without evidence of the vaccine. If a student does not provide documentation that the student has received any vaccinations that are required by the student’s assigned site, the student may not attend the clinical rotation and will, therefore, be at risk of not completing the program requirements.
Accommodations or waivers may be considered by some clinical sites. If a student is unable or unwilling to have one of the vaccines, the student has the right and sole obligation to request an accommodation or waiver from the clinical site. If the student obtains an accommodation or waiver, the student may fulfill their clinical rotation at the clinical site without having been immunized for influenza or COVID-19. There is no guaranty that a clinical site will grant a request for an accommodation or waiver. The student must provide a copy of the clinical site’s grant of any accommodation or waiver. If the student participates in a clinical pursuant to an accommodation or waiver, the student participates in the clinical at the student’s own risk and is solely responsible for any health care or treatment costs incurred or illness or injuries suffered as a result of such participation.

**Pertaining to prescribed medications**

Upon admission to the Radiologic Technology Program, students must disclose all medications on their health form and if during their matriculation they have a change in health (physical, mental, or emotional) and/or medication status, they are required to submit a Health Status Update form to the Manager of Admissions and Advising.

**Medical Marijuana/Cannabis Policy**

Any student testing positive for cannabis may not be accepted into a clinical rotation by Maryland hospitals or health care facilities (including veterinary facilities), regardless of a legally obtained identification card. Inability to complete the clinical/practicum components of the programs results in students being unable to complete course requirements and thus successfully complete the program.

**CPR**

Conditionally accepted students must successfully complete the American Heart Association Basic Life Support (BLS) CPR. CPR certification must be valid through graduation.

**Anne Arundel Community College and/or the School of Health Sciences reserves the right to revise requirements for admission into the Health Sciences programs, the selection criteria and procedures, and the required courses for programs of study as deemed necessary without prior notification.**

**September 2021**

*Notice of Nondiscrimination: AACC is an equal opportunity, affirmative action, Title IX, ADA Title 504 compliant institution. Call Disability Support Services, 410-777-2306 or Maryland Relay 711, 72 hours in advance to request most accommodations. Requests for sign language interpreters, alternative format books or assistive technology require 30 days’ notice. For information on AACC’s compliance and complaints concerning sexual assault, sexual misconduct, discrimination or harassment, contact the federal compliance officer and Title IX coordinator at 410-777-1239, complianceofficer@aacc.edu or Maryland Relay 711.*
Course Descriptions – Required Courses

RAD 101
Introduction to Radiography
2 credit hours – 15 hours of lecture and 35 hours of college laboratory; four-week term
Orientation to radiography and the health care system. Includes basic medical terminology, medical and legal ethics, history of radiography, infection control and radiation protection. Supervised instruction in the lab includes body mechanics, universal precautions, vital signs, medical emergencies and management of the patient with special needs. Lab fee $200.
Prerequisite: Completion of ENG 101/ENG101A and ENG 102, MAT 137, SOC 111, BIO 231-232 or BIO 233-234, COM 111 or COM 116 and permission of radiologic technology department chair.

RAD 111
Radiographic Procedures 1
3 credit hours – Two hours of lecture and three hours of college laboratory weekly; one term
Continues concepts of medical terminology, ethics, history and techniques necessary to produce radiographs. Includes appropriate patient care procedures, basic exposure, positioning techniques, principles of equipment use and radiation protection. Lab fee $200.
Prerequisite: RAD 101.
Corequisite: RAD 112.

RAD 112
Clinical Radiography 1
5 credit hours – 15 hours of clinical laboratory weekly; one term
Supervised use of energized equipment in the college laboratory and clinical laboratory centers to produce quality radiographic images of upper and lower extremities, chest and abdomen. Clinical fee $175.
Prerequisite: RAD 101.
Corequisite: RAD 111.
RAD 121
Radiographic Procedures 2
3 credit hours – Two hours of lecture and three hours of college laboratory weekly; one term
Continued study of radiographic procedures in greater depth with the addition of radiographic examinations focusing on the vertebral column, thoracic cage, pelvic girdle, skull and body systems requiring the administration of contrast materials. Lab fee $200.
Prerequisite: RAD 111 and RAD 112 with grades of C or better.
Corequisite: RAD 122 and 123.

RAD 122
Clinical Radiography 2
5 credit hours – 15 hours of clinical laboratory weekly; one term
Companion course to Radiographic Procedures 2 (RAD 121). Students take assigned clinical rotations in clinical laboratory centers and use energized equipment under supervision to develop competency in positioning, producing and processing radiographic images. Clinical fee $175.
Prerequisite: RAD 111 and RAD 112 with grades of C or better.
Corequisite: RAD 121 and RAD 123.

RAD 123
Imaging Equipment Maintenance and Operation
3 credit hours – Three hours of lecture weekly; one term
Introduces X-ray physics, circuitry and all types of radiographic equipment. X-ray production, interaction of X-rays with matter, beam characteristics, image intensification and radiographic accessories are covered in detail. A review of image quality and the evaluation of radiographic equipment and accessories is emphasized.
Prerequisite: RAD 111 and RAD 112 with grades of C or better.
Corequisite: RAD 121 and RAD 122.

RAD 211
Radiographic Procedures 3
1 credit hour – One hour of lecture weekly; one term
Continues study of more advanced radiographic procedures with the addition of special procedures and radiographic imaging. Studies include venography, myelography, arthrography, atypical orthopedic studies, and other special procedures. Corollary topics focus on anatomy, special technique, positioning, equipment and image evaluation quality assurance activities and computed tomography.
Prerequisite: RAD 121, RAD 122 and RAD 123.
Corequisite: RAD 212.
RAD 212
Clinical Radiography 3
6 credit hours – 270 clinical hours; one term
Gain additional experience in routine radiographic procedures while developing skills in more advanced procedures such as specialized contrast procedures and atypical orthopedic procedures. Study the theory and applications on advanced patient management techniques that include ECG analysis, vital signs, oxygen and venipuncture skills to enhance the student radiographers’ patient care management skills in the clinical setting. Clinical fee $175.
Prerequisite: RAD 121, RAD 122 and RAD 123 with grades of C or better.
Corequisite: RAD 211.

RAD 231
Radiographic Procedures 4
3 credit hours – Two hours of lecture and three hours of college laboratory weekly; one term
Study of computed tomography, digital radiography, ultrasonography, magnetic resonance imaging, interventional radiography and computer applications in radiology. Includes study of pathologic disorders and their respective impact on radiography. Lab fee $200.
Prerequisite: RAD 211 and RAD 212 with grades of C or better.
Corequisite: RAD 232.

RAD 232
Clinical Radiography 4
6 credit hours – 24 hours of clinical laboratory weekly; one term
Companion course to Radiographic Procedures 4 (RAD 231). A clinical practicum enhances the knowledge and skill acquired in previous radiography courses. Students also learn more complicated special procedures performed on central nervous, vascular and other body systems using ultrasound and computerized tomography. Clinical fee $175.
Prerequisite: RAD 211 and RAD 212 with grades of C or better.
Corequisite: RAD 231.
RAD 251
Radiation Biology and Protection
3 credit hours – Three hours of lecture weekly; one term
Presents principles of cell radiation and the responsibility of the radiographer to protect patients, personnel and the public from the effects of radiation. Additional topics include calculations of permissible radiation dosage and the effect of federal/state laws and regulations on radiation protection. Emphasis will also be placed on preparing students for the national certification examination.
Prerequisite: RAD 231 and RAD 232 with grades of C or better.
Corequisite: RAD 252.

RAD 252
Clinical Radiography 5
6 credit hours – 24 hours of clinical laboratory weekly; one term
An advanced clinical practicum provides supervised experience in a clinical agency site. Comprehensive application of skills taught in all preceding courses preparatory to entering the field for radiography. Clinical fee $175.
Prerequisite: RAD 231 and RAD 232 with grades of C or better.
Corequisite: RAD 251.

Arundel Community College students are assigned to the clinical sites by program faculty based on competency needs of the student to meet the requirements of graduation.

All students are required to complete an evening rotation (1-9pm) at University of Maryland Shock Trauma in Baltimore City. Students must also complete rotations in the Operating Room, Orthopedics, Emergency Room, Fluoroscopy, Portable X-ray, Out-Patient facilities, Hospital facilities and CAT scan. Students are assigned to clinical sites to meet the requirements and standards of the program. Students attend clinical sites from 7:50am-4pm. Upon completion of competency requirements, students have the option of observing advanced modalities in MRI, Ultrasound and Interventional at clinical sites where there is a current clinical affiliation with the program.
### RAD 101 – SUMMER SEMESTER
#### 4 WEEK COURSE

**2 CREDITS:**
RAD 101, 2 credits, 15 hours lecture, 35 hours college lab for the 4-week course

**CONTENT:**
Explores all introductory aspects related to the science of radiologic technology. Includes an overview of the history of X-ray, career opportunities, medical/legal ethics, death and dying, patient care management, and basic radiation protection. Students shadow at an accredited clinical education center during this course.

**CLINICAL SITES:**
THERE ARE NO
CLINICAL ROTATIONS
THIS SEMESTER

#### SCHEDULE

<table>
<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAD 101 8 a.m. – 4 PM</td>
<td>RAD 101 8 AM – 4 PM</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Students must successfully pass RAD 101 with a grade of C or better to continue in the Radiologic Technology Program.

### RAD 111/112 FALL SEMESTER
#### 15 WEEK COURSE

**8 CREDITS:**
RAD 111, 3 credits, 2 hours lecture, 3 hours college lab weekly
RAD 112, 5 credits, 16 hours clinical lab per week

**CONTENT:**
Continues the study of the terminology and techniques necessary to provide images. Continued emphasis on patient care procedures and basic radiation protection. Introduction to basic exposure and positioning principles, and equipment operation. Students demonstrate positioning skills in the clinical lab after practicing them in the college lab. The supervised use of energized equipment in the college and clinical labs allows students to produce diagnostic images of the chest, abdomen, upper and lower extremities.

**CLINICAL SITES:**
Advanced Radiology Imaging Services Sites Imaging Services Sites
Anne Arundel Medical Center (AAMC)/Anne Arundel Diagnostics (AAD)
Baltimore Wash. Medical Center (BWMC)
University of Maryland Medical Center (UMMC)
Harbor Hospital Center (HHC)
Mercy Medical Center (MMC)
American Radiology Imaging Services Sites
Union Memorial Hospital (UMH)

#### SCHEDULE

<table>
<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAD 111 College Lecture 10AM-12pm Group 1</td>
<td>RAD 111 Lab 8 AM – 11AM Group 1</td>
<td>RAD 112 Clinical Assignment 8 hours All Groups</td>
<td>RAD 112 Clinical Assignment 8 hours All Groups</td>
<td></td>
</tr>
</tbody>
</table>

*All college labs are held in the energized lab, FLRS 418.
**Clinical site hours may vary based on operating protocols.

Each student will have rotations in 4-5 of the clinical agencies at some point during the five semesters since each clinical agency offers a variety of experiences. The program continues to offer students a variety and volume of clinical experiences to enhance their clinical development and graduate clinically competent.
**RAD 121/122/123 – SPRING SEMESTER**

**15 WEEK COURSE**

| 11 CREDITS: | RAD 121 3 credits, 2 hours lecture, 3 hours college lab  
RAD 122 5 credits, 16 hours clinical lab per week  
RAD 123 3 credits, 3 hours lecture |
| CONTENT: | Continues study of radiologic procedures in greater depth with the addition of radiographic examinations focusing on the vertebral column, skull and body systems requiring the administration of contrast materials. Students take assigned clinical rotations in clinical agencies and use energized equipment under supervision to develop competency in positioning, producing and processing radiographic images. Introduces radiographic physics, including radiographic circuitry and equipment, X-ray production, interaction of X-rays with matter and beam characteristics. |
| CLINICAL SITES: | Advanced Radiology Imaging Services Sites  
Anne Arundel Medical Center (AAMC)/Anne Arundel Diagnostics (AAD)  
Baltimore Wash. Medical Center (BWMC)  
University of Maryland Medical Center (UMMC)  
Harbor Hospital Center (HHC)  
Mercy Medical Center (MMC)  
American Radiology Imaging Services Sites  
Union Memorial Hospital (UMH) |

**SCHEDULE**

<table>
<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
</tr>
</thead>
</table>
| RAD 121 Lecture  
12PM – 2PM  
All Groups | RAD 123 Lecture  
12PM - 3 PM  
All Groups | RAD 122 Clinical Assignment  
8 hours  
All Groups | RAD 122 Clinical Assignment  
8 hours  
All Groups |

**RAD 211/212 SUMMER SEMESTER**

**9 WEEK COURSE**

| 7 CREDITS: | RAD 211, 1 credit,  
1 hour lecture/week  
RAD 212, 6 credits, 28 hours clinical lab/week |
| CONTENT: | Continues study of more advanced radiographic procedures with the addition of special procedures and radiographic imaging. Studies include angiography, atypical orthopedic studies, venography, myelography, arthrography and other special procedures. Corollary topics focus on anatomy, special techniques, positioning of the face and cranium and equipment. Supervised patient care practicum in clinical agencies performing radiographic exams learned in lecture and practiced in lab. |
| CLINICAL SITES: | Advanced Radiology Imaging Services Sites  
Anne Arundel Medical Center (AAMC)/Anne Arundel Diagnostics (AAD)  
Baltimore Wash. Medical Center (BWMC)  
University of Maryland Medical Center (UMMC)  
Harbor Hospital Center (HHC)  
Mercy Medical Center (MMC)  
American Radiology Imaging Services Sites  
Union Memorial Hospital (UMH) |

**SCHEDULE**

<table>
<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
</tr>
</thead>
</table>
| RAD 211 Lecture  
9AM-12:30PM  
9 weeks  
Lab 9AM-12PM  
9 weeks  
Group 2  
12PM – 3 PM  
9 weeks | RAD 211 Lecture  
9AM-12:30PM  
9 weeks | RAD 212 Clinical Assignment  
9 weeks  
8 AM – 4 PM  
8 AM – 4 PM | RAD 212 Clinical Assignment  
9 weeks  
8 AM – 4 PM  
8 AM – 4 PM |

*All college labs are held in the energized lab, FLRS 418.  
**Clinical site hours may vary based on operating protocols.  
Lab only on Wednesday*
RADIOLOGIC TECHNOLOGY COURSE SEQUENCE SCHEDULE

RAD 231/232 – FALL SEMESTER
15 WEEK COURSE

| 9 CREDITS: | RAD 231, 3 credits, 2 hours lecture, 3 hours college lab  
RAD 212, 6 credits, 24 hours clinical lab per week |
| CONTENT: | Continued study of computed tomography, digital radiography, magnetic resonance imaging, ultrasonography, departmental administration and computer applications in radiology. Includes study of pathologic disorders and their respective impact on radiography. Clinical practicum enhances the knowledge and skill acquired in previous radiography courses. Students also learn more complicated special procedures performed on ventricular, vascular and other body systems using ultrasound, computerized tomography, and magnetic resonance imaging. |
| CLINICAL SITES: | Advanced Radiology Imaging Services Sites  
Anne Arundel Medical Center (AAMC)/Anne Arundel Diagnostics (AAD)  
Baltimore Wash. Medical Center (BWMC)  
University of Maryland Medical Center (UMMC)  
Harbor Hospital Center (HHC)  
Mercy Medical Center (MMC)  
American Radiology Imaging Services Sites  
Union Memorial Hospital (UMH) |

SCHEDULE

<table>
<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
</tr>
</thead>
</table>
| RAD 232  
Clinical Assignment  
8 hours  
8AM-4PM | RAD 232  
Clinical Assignment  
8 hours  
8AM-4PM | RAD 232  
Clinical Assignment  
8 hours  
8AM-4PM | RAD 231  
Lecture  
10AM-12PM  
All Groups | |
| RAD 212  
College Lab  
12PM-3PM  
All Groups | |

RAD 251/252 – SPRING SEMESTER
15 WEEK COURSE

| 9 CREDITS: | RAD 251, 3 credits, 3 hours lecture weekly  
RAD 252, 6 credits, 24 hours clinical lab per week |
| CONTENT: | Presents principles of cell radiation and the responsibility of the radiographer to protect patients, personnel and the public from the effects of radiation. Additional topics include calculations of permissible radiation dosage and the effect of federal/state laws and regulations on radiation protection. An advanced clinical practicum provides supervised experience in a clinical agency site. Students who have successfully completed the master clinical competency program and global competency requirements are eligible for elective rotations during this semester. Comprehensive application of skills taught in all preceding courses preparatory to entering the field of radiography. A portion of the course is used for student preparation for national certification examination. |
| CLINICAL SITES: | Advanced Radiology Imaging Services Sites  
Anne Arundel Medical Center (AAMC)/Anne Arundel Diagnostics (AAD)  
Baltimore Wash. Medical Center (BWMC)  
University of Maryland Medical Center (UMMC)  
Harbor Hospital Center (HHC)  
Mercy Medical Center (MMC)  
American Radiology Imaging Services Sites  
Union Memorial Hospital (UMH) |

SCHEDULE

<table>
<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
</tr>
</thead>
</table>
| RAD 252  
Clinical Assignment  
8 hours  
8AM-4PM | RAD 252  
Clinical Assignment  
8 hours  
8AM-4PM | RAD 252  
Clinical Assignment  
8 hours  
8AM-4PM | RAD 251  
Lecture  
12PM-3PM |

**Clinical site hours may vary based on operating protocols.**

PLEASE NOTE: These schedules are intended to provide a general overview of the Radiologic Technology course sequence only and are subject to change.
ATI Testing

As the nation's preeminent e-learning provider, ATI offers programs that are instrumental in improving faculty, student and program outcomes. ATI programs provide educators the power to augment curriculum, revamp courses and faculty development, and improve student tests outcomes and lower attrition rates.

Registration

1. Create an account with ATI, but DO NOT register for an exam on the ATI website.
2. Once you have created the account, to ensure an available seat contact the testing center to schedule your exam at:
   - Arnold - 410-777-2375 or testing-arnold@aacc.edu
   - Arundel Mills - 410-777-1915 or testing-amil@aacc.edu

All candidates must pay a $30 administration fee and $58 ATI exam fee. These fees need to be made by credit card at the time of your testing appointment.

This exam cannot be scheduled during midterm or final exams.
SAMPLE

Individual Performance Profile
ATI TEAS

<table>
<thead>
<tr>
<th>Individual Name:</th>
<th>JOHN D STUDENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Institution:</td>
<td>Your Institution</td>
</tr>
<tr>
<td>Program Type:</td>
<td>ADN</td>
</tr>
<tr>
<td>Test Date:</td>
<td>9/5/2016</td>
</tr>
<tr>
<td>Attempt:</td>
<td>1 of 1</td>
</tr>
<tr>
<td>Days Since Last Attempt:</td>
<td>0</td>
</tr>
</tbody>
</table>

Total Score: 79.3%
Academic Preparedness Level: Advanced
National Mean: 65.6%  All ADN Programs Mean: 66.1%

Reading Score: 87.2%
Math Score: 90.6%
Science Score: 68.1%
English and Language Usage Score: 70.8%

Content areas do not add up to the total score
ACCUPLACER PREPARATION

The placement test at AACC is used to assess-college level skills in mathematics, English and reading. The computerized placement test (ACCUPLACER) is offered to new students to assist AACC staff in determining course placement. This is not a college admissions test.

After the test has been completed and scored, an advisor will review the results with the student and offer suggestions for appropriate courses.

There are three types of placement tests described below:

- ACCUPLACER Placement (native English speakers).
- ESL Placement (non-native English speakers).
- Arithmetic Placement (Health Sciences and biology students only).

For additional information visit: https://www.aacc.edu/apply-and-register/credit-application/determine-placement/accuplacer-preparation/

AACC PLACEMENT PREP GUIDE

This free resource offers general information on college admission, testing and retake options. The guide provides sample questions for the ACCUPLACER English, reading, math and ESL placement tests. You also will find sample questions for the Arithmetic Placement test.

For additional resources and to download the AACC Prep Guide visit; https://www.aacc.edu/apply-and-register/credit-application/determine-placement/accuplacer-preparation/

ACCOMMODATION TESTING

All students requiring accommodations need to apply each semester through Disability Support Services (DSS). DSS can provide detailed information on how to receive services and additional support provided at Anne Arundel Community College. You must contact DSS before any accommodations can be provided.

All AACC testing proctors have been trained to work with students needing accommodations while taking their exams. Proctors are able to offer accommodations for extra time, minimal distraction rooms, reading and scribing to those eligible.

Students needing accommodations other than extra time must contact the testing office 48 hours in advance to schedule an appointment.

Students that are taking a certification exam through a specific vendor like Certiport, Pearson Vue, GED, or Castle Worldwide are required to contact the vendor. Each vendor has their own accommodation approval process.

For additional information visit: https://www.aacc.edu/resources/academic-services/testing/testing-accommodations/