MEDICAL IMAGING AND CARDIOPULMONARY SCIENCES (MICaPS)

Computed Tomography (Continuing Education)
Diagnostic Medical Sonography
Magnetic Resonance Imaging (Continuing Education)
Nuclear Medicine Technology
Radiologic Technology
Respiratory Care

HEALTH SCIENCES
WHAT WE WILL REVIEW

1. General Information
   • Determining your Path
   • Program Waitlists
2. Primary Programs
   • Diagnostic Medical Sonography
   • Nuclear Medicine Technology
   • Radiologic Technology
   • Respiratory Care
3. Continuing Education Programs
   • Computed Tomography
   • Magnetic Resonance Imaging
4. Before Meeting with an Advisor
5. Verification of Completion
### DETERMINING YOUR PATH

- Review the different programs offered at GateWay
  - [Program websites](#)
  - Program information and application packets
  - Curriculum and prerequisites change frequently – Check information regularly
- Research job outlook, salary, education and certification requirements
  - O*NET
  - My Next Move
  - Bureau of Labor Statistics

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- Visit our Career Center for help with
  - Career-related assessments
  - Healthcare career exploration

**Location:**
- **Washington Campus**
- IE 1234
- 108 N 40th St. Phoenix, AZ 85034
Many of our healthcare programs operate on a first-come, first-serve waitlist admissions process. We admit students in order of their number on a waitlist. Students must submit a completed application to receive their official number on any waitlist. There is no application deadline – students may submit their completed application at any time, so these waitlist numbers fluctuate regularly.

<table>
<thead>
<tr>
<th>Program</th>
<th>Approximate # on List</th>
<th>Approximate # Accepted in Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computed Tomography</td>
<td>165</td>
<td>20 every fall semester</td>
</tr>
<tr>
<td>Diagnostic Medical Sonography</td>
<td>505</td>
<td>20-25 every fall semester</td>
</tr>
<tr>
<td>Magnetic Resonance Imaging</td>
<td>211</td>
<td>20 every fall semester</td>
</tr>
<tr>
<td>Nuclear Medicine Technology</td>
<td>8 Ready to start; 78 Still completing prerequisites</td>
<td>24 every fall semester</td>
</tr>
<tr>
<td>Radiologic Technology</td>
<td>482</td>
<td>48 every fall semester</td>
</tr>
<tr>
<td>Respiratory Care</td>
<td>43</td>
<td>20-25 every fall and spring semesters</td>
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PROGRAM WAITLISTS

For the most up-to-date numbers on any waitlist OR
To check your current standing on any waitlist OR
To submit your complete application and receive your official number on a waitlist, please email:

selectiveadmissions@gatewaycc.edu

***To inquire about the waitlists for or to apply to Computed Tomography and Magnetic Resonance Imaging, please email:

tabatha.hatfield@gatewaycc.edu
PRIMARY PROGRAMS
Diagnostic Medical Sonography – Nuclear Medicine Technology – Radiologic Technology – Respiratory Care
DIAGNOSTIC MEDICAL SONOGRAPHY (DMS)
PROGRAM STRUCTURE

- 2 years (22 months/5 semesters, including summer)
- Full-time, day program (Monday through Friday 8:00 a.m. – 5:00 p.m.)
- 1400+ hours of clinical training
- Saves 2 spots per year any student that currently is or was in the military
- Offers options for either a Certificate of Completion (CCL) OR an Associate of Applied Science (AAS) Degree
  - The ultrasound courses are the same for both the CCL and AAS degree
  - Length of time and waitlist for CCL and AAS are the same
- Estimated Cost: $10,184 - $12,291
The Diagnostic Medical Sonography program at Gateway is the only program recognized by CAAHEP as a professional ultrasound education program in the State of Arizona. For more information on program accreditation go to https://www.caahep.org/. Address: 25400 US Highway 19 North Suite 158 Clearwater, FL 33763. Students can receive professional certification in sonography at graduation from American Registry of Diagnostic Medical Sonographers (ARDMS), American Registry of Radiologic Technologists (ARRT), Cardiovascular Credentialing International (CCI).
ARDMS ([https://www.ardms.org/](https://www.ardms.org/))
- Sonography Principles and Instrumentation (SPI)
- Registered Diagnostic Medical Sonographer (RDMS)
  - Abdomen (AB)
  - Obstetrics & Gynecology (OB/GYN)
- Registered Vascular Technologist (RVT)

ARRT ([https://www.arrt.org/](https://www.arrt.org/))
- Radiologic Technologist – Sonographer RT(S)
- Radiologic Technologist – Vascular Sonographer RT(VS)

CCI ([http://cci-online.org/](http://cci-online.org/))
- Registered Vascular Sonographer RVS
DIAGNOSTIC MEDICAL SONOGRAPHY PREREQUISITES

3.0 GPA in all prerequisite courses

No grade lower than a C

-BIO 160 OR (BIO 201 AND 202)*

*BIO 201 has a prerequisite of BIO 156 OR 181 OR one year of high school biology with a grade of C or higher AND Eligibility to enroll in CRE 101

-ENG 101 OR 107

-MAT 150 OR 151 OR 152 OR higher level algebra course

-PHY 101 OR 111

-HCC 145 OR 146 (Will be removed from prerequisites soon – please check website and information packet regularly for this update)
NUCLEAR MEDICINE TECHNOLOGY (NUC)
PROGRAM STRUCTURE

• 2 years (23 months/6 semesters, including summers)
• Full-time, day program
• 1200 hours of clinical training
• Saves 2 spots per year any student that currently is or was in the military as well as out of county and flex program seats
• Associate of Applied Science (AAS) degree
• Estimated cost: $13,154 - $15,434
The Nuclear Medicine program is accredited by the Joint Review Committee on Educational Programs in Nuclear Medicine Technology (JRCNMT)

- For more information on accreditation, visit https://www.jrcnmt.org/

Graduates are eligible for licensure through the Arizona Department of Health Services (ADHS) in Nuclear Medicine Technologist (CNMT) and the option for Computed Tomography licensure

Nuclear Medicine Technology Certification Board (NMTCB) exam
- Option for NMTCB Computed Tomography (CT) exam
  - Must complete additional clinical requirements for CT certification

American Registry of Radiologic Technologists (ARRT) exam in Nuclear Medicine Technology
- Option for ARRT Computed Tomography (CT) exam
  - Must complete additional clinical requirements for CT certification
**NUCLEAR MEDICINE TECHNOLOGY PREREQUISITES**

<table>
<thead>
<tr>
<th>3.0 GPA in all prerequisite courses</th>
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<tr>
<td>No grade lower than a C</td>
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</table>

- (BIO 201 AND 202)*

*BIO 201 has a prerequisite of BIO 156 OR 181 OR one year of high school biology with a grade of C or higher AND Eligibility to enroll in CRE 101

-(CHM 130 AND 130LL) OR CHM 130AA

- COM 100 OR 110 OR 230

- ENG 101 OR 107

- NUC 100 (Grade of B or higher)

- PHY 101 OR (PHY 111 AND 112)

- CRE 101 OR 111 OR Equivalent as indicated by assessment

- MAT 150 OR 151 OR 152 OR Higher level algebra course

- ENG 102 OR 108 OR 111 (Grade of B or higher) (Removed from prerequisites effective January 2021)

- HCC 145 (Removed from prerequisites effective January 2021)
RADIOLOGIC TECHNOLOGY (RAD)
Formerly Medical Radiography (DMI)
PROGRAM STRUCTURE

- 2 years (22 months/5 semesters, including summer)
- Full-time, day program (40 hours per week)
- 1800+ hours of clinical training
- Saves 10% of available seats for any student that currently is or was in the military
- Associate of Applied Science (AAS) degree
- Estimated cost: $9,445 - $12,752
• The Medical Radiography/Radiologic Technology program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT)
  • For more information on accreditation, visit http://www.jrcert.org/

• Graduates are eligible to apply for admission to the certification exam administered by the American Registry of Radiologic Technologists (ARRT) https://www.arrt.org/
  • Radiography (R)
• Passing the ARRT exam and licensure by the Arizona State Medical Radiologic Technology Board of Examiners (MRTBE) is necessary for employment in AZ
### RADIOLOGIC TECHNOLOGY
#### PREREQUISITES

- **3.0 GPA in all prerequisite courses**
- **No grade lower than a C**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>-BIO 201 AND 202</strong></td>
<td><em>BIO 201 has a prerequisite of BIO 156 OR 181 OR one year of high school biology with a grade of C or higher AND Eligibility to enroll in CRE 101</em></td>
</tr>
<tr>
<td><strong>-ENG 101 OR 107</strong></td>
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<tr>
<td><strong>-ENG 102 OR 108</strong></td>
<td></td>
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<tr>
<td><strong>-CRE 101 OR Equivalent as indicated by assessment</strong></td>
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<tr>
<td><strong>-COM 100 OR 110 OR 230</strong></td>
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<tr>
<td><strong>-One Social Behavioral Sciences [SB] course</strong></td>
<td><strong>PSY 101 Recommended for students transferring to NAU 90/30 program</strong></td>
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<tr>
<td><strong>-One Humanities, Arts, and Design [HU] course</strong></td>
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<tr>
<td><strong>-MAT 12X OR Any math course where MAT 12X is a prerequisite (MAT 114 or 115 also accepted)</strong></td>
<td><strong>MAT 15X recommended for students transferring to NAU 90/30 program</strong></td>
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RESPIRATORY CARE (RES)
PROGRAM STRUCTURE

- 2 years (20-24 months/4 semesters, no summer term)
- Full-time, day program (Clinicals between 6:00 a.m. and 6:30 p.m.)
- 12 hour clinical rotations twice a week beginning second semester
- Saves 2 spots per year any student that currently is or was in the military
- Offers an Associate of Applied Science (AAS) Degree
- Estimated cost: $9,258 - $11,085
• The Respiratory Care program is accredited by the Commission on Accreditation for Respiratory Care (CoARC)
  • For more information on accreditation, visit: https://www.coarc.com/

• Graduates are eligible to apply for admission to the certification exam administered by the National Board of Respiratory Care (NBRC) https://www.nbrc.org/
  • Registered Respiratory Therapist (RRT)

• Passing the NBRC exam and licensure by the Arizona State Board of Respiratory Care Examiners is necessary for employment in AZ
RESPIRATORY CARE PREREQUISITES

2.0 GPA in all prerequisite courses
No grade lower than a C

-BIO 160 OR (BIO 201 AND 202)*
*BIO 201 has a prerequisite of BIO 156 OR 181 OR one year of high school biology with a grade of C or higher AND Eligibility to enroll in CRE 101
-CRE 101 OR Equivalent as indicated by assessment
-ENG 101 OR 107
-MAT 120 OR 121 OR 122 OR a higher level algebra mathematics course (MAT 114 OR 115 also accepted)
-CHM 130 AND 130LL
-RES/HCC 109 OR American Heart Association Health Care Provider CPR Certification with Basic Life Support
CONTINUING EDUCATION

HEALTH SCIENCES
### CONTINUING EDUCATION

<table>
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<tr>
<th>COMPUTED TOMOGRAPHY (CT)</th>
<th>MAGNETIC RESONANCE IMAGING (MRI)</th>
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<tr>
<td><strong>Requirements</strong></td>
<td><strong>Requirements</strong></td>
</tr>
<tr>
<td>• Certified in Radiography, Nuclear Medicine Technology, or Radiation Therapy</td>
<td>• Certified in Radiography, Nuclear Medicine Technology, Sonography or Radiation Therapy</td>
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<tr>
<td><strong>Prerequisites</strong></td>
<td><strong>Prerequisites</strong></td>
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<tr>
<td>• Sectional Anatomy</td>
<td>• Sectional Anatomy</td>
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<tr>
<td>• DMI/ICE 223 Intro to Computed Tomography <strong>OR</strong> NUC 250 Fundamentals of Computed Tomography</td>
<td>• ICE 233 Fundamentals of MRI</td>
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<tr>
<td><strong>Cost:</strong> $2,577 - $3,327</td>
<td><strong>Cost:</strong> $2,452 - $3,202</td>
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<td><strong>Length of Program:</strong> 10 months (1 year/2 semesters)</td>
<td><strong>Length of Program:</strong> 10 months (1 year/2 semesters)</td>
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BEFORE MEETING AN ADVISOR

HEALTH SCIENCES
IF COMPLETING PREREQUISITES WITH MARICOPA...

1. Create Maricopa student account to receive your Student ID number and MEID
2. Apply for admissions to specific Maricopa college
3. If new to college, complete one of the following placement options:
   i. Complete Accuplacer Next Generation assessments
   ii. Submit high school transcript (Can use high school GPA of 2.6 or higher for placement if graduated within last 10 years)
   iii. Submit official GED scores if completed in or after 2014
   iv. Submit OFFICIAL ACT or SAT scores for placement if completed within the last 5 years
4. If you have previous college credit outside of Maricopa, please have OFFICIAL transcripts sent directly from your previous institution(s) to GateWay for evaluation
5. Review the appropriate information packets and write down all questions you have
IF YOU HAVE COMPLETED PREREQUISITES OUTSIDE OF MARICOPA...

...AND ARE READY TO APPLY FOR A PROGRAM

1. Create Maricopa student account to receive your Student ID number and MEID
2. Apply for admissions to GateWay Community College
3. Have OFFICIAL transcripts sent directly from your previous institution(s) to GateWay for evaluation
4. Review the appropriate information packets and websites and write down all questions you have
5. Schedule your appointment once your transcripts have been evaluated
TO VIEW YOUR TRANSFER CREDIT
IF COMPLETING PREREQUISITES OUTSIDE OF MARICOPA...

... AND YOU ARE NOT YET READY TO APPLY TO A PROGRAM:

1. Review the appropriate information packets and websites
2. View previously evaluated courses for many institutions using the Transfer Evaluation System
3. Email transcripts@gatewaycc.edu for assistance in determining appropriate prerequisite course transferability
   • For example, to determine which courses will transfer to GateWay from Yavapai Community College, email transcripts@gatewaycc.edu to verify transferable courses before enrolling at Yavapai
HEALTH & SAFETY REQUIREMENTS

For detailed information on Health & Safety Requirements, please visit
https://www.maricopa.edu/degrees-certificates/healthcare-education/health-safety-requirements

- Immunizations
- Background Check & Drug Screening
- Level One Fingerprint Clearance Card
- American Heart Association CPR Certification with Basic Life Support

***These items are not required to apply to a program but will be required once admitted (Respiratory Care does require CPR to be eligible to apply)***
VERIFICATION OF COMPLETION

Please complete the Information Session Verification Quiz - https://forms.gle/U5gjJRjb6CdjjY9o8