Fayetteville Technical Community College

Medical Sonography Program



Advisee Handbook

2025-2026

**Welcome to Fayetteville Technical Community College's Medical Sonography Program**

We are delighted to have you join this exciting and rewarding profession in healthcare! As a sonography student, you will embark on a challenging yet fulfilling journey that requires commitment, excellence, and compassion.

**Program Overview**:

* Concentrations: Our program offers an Applied Associate in Science Degree in Medical Sonography with concentrations in Abdominal and OB/GYN sonography, and an introduction to Vascular Sonography.
* Duration: The 20-month program combines didactic and clinical education, meeting the educational requirements for ARDMS and ARRT national registries.
* Clinical Experience: Collaborations with area clinical education sites provide diverse learning opportunities.

**Why Choose Sonography?**

* Rapidly Growing Field: Explore subspecialties like Neuro-Sonography, Echocardiography, and more in a field that is rapidly evolving.
* Patient-Centered Care: Focus on providing exceptional patient care while obtaining high-quality diagnostic images. Remember, the patient on your scanning table is a person with fears and concerns, so prioritize their human needs first.
* Career Opportunities: With a strong demand for skilled sonographers, you can look forward to a fulfilling career in hospitals, clinics, and educational institutions.

**Program Goals:**

* Comprehensive Learning: Our program is designed to develop your skills in cognitive, psychomotor, and affective learning domains, preparing you to be an entry-level medical sonographer.
* Critical Thinking and Problem-Solving: We emphasize the development of critical thinking and problem-solving skills, essential for skilled medical sonographers who can adapt to diverse clinical situations.

**Join Our Community:**
We are committed to helping you reach your highest potential and achieve your career goals. Our experienced faculty is dedicated to supporting your growth and success throughout your educational journey.

**Key Program Objectives**:

* Excellence in Healthcare: Strive for excellence in providing high-quality diagnostic images and patient care.
* Professional Development: Prepare for a career that offers opportunities for advancement and specialization.
* Community Engagement: Collaborate with other healthcare professionals to deliver compassionate and effective care.

**Medical Sonography Faculty**

Earl “Ty” McLaurin M.S.BE, RDMS

Department Chair

HTC 169-K

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Lisa P Davis RT-R, RDMS

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# Allied Health Academic Center

Patricia Gorum, Health Programs Admission Coordinator

 Health Technologies Center, 169L

 (910) 678-8457

The Admissions Coordinator initiates your health program process. Please contact Ms. Gorum to schedule an appointment.

**Allied Health Academic Advisors**

Thomas Bracy, M.A.Ed.

 Health Technologies Center, 169M

 (910) 486-7444

Lorena Murray

 Tony Rand Student Center, 103

 (910) 486-7495

# College Services

*Admissions*

Tony Rand Student Center

 (910) 678-8473

*Bookstore*

 General Classroom Building

 (910) 678-8342

*Disability Support Services*

Tony Rand Student Center

 (910) 678-8479

*Financial Aid*

Tony Rand Student Center

(910) 678-8242

**Program Mission**

The mission of the Medical Sonography Program is to meet the needs of the community by offering innovative instruction through comprehensive educational practices that promote student achievement and academic excellence. The Medical Sonography Program enables students to graduate with knowledge, skills and the behavior of competent entry-level Sonographers. In order to improve the educational base of sonographic science, the curriculum strives to support the development of professional ethics, communication, problem-solving, and critical thinking skills. This supports the mission of the college to serve as a student-centered institution focused on building a highly-skilled workforce fueling economic growth.

**Program Goals**

To prepare competent entry-level sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for the Abdominal Sonography-Extended concentration.

To prepare competent entry-level sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for the Obstetrics and Gynecology Sonography concentration.

**Physical and Mental Requirements**

Due to the nature of the work required of the student in the Medical Sonography program, the student applicant must be:

• Able to reach, manipulate and operate the equipment necessary to obtain the requested ultrasound images.

• Able to move, lift, manipulate and observe a patient as necessary to obtain the requested procedure.

• Able to visually assess patients, visually acknowledge medical orders/ test results, and evaluate an appropriate plan of action for excellent patient care and quality images for the patient.

• Able to clearly communicate, both orally and in written expression, with patients, instructors, and staff; to give and receive information relevant to the patient; to be able to hear accurately to gather information about the patient and determine audible signals from equipment, including doppler signals.

• Able to make appropriate judgment in an emergency or when the situation is not clearly governed otherwise.

• Able to demonstrate emotional and psychological health in day-to-day situations with patients and staff in routine and non-routine situations and in the daily didactic and clinical situations

• Able to stand for extended periods of time during clinical rotations.

**Auditory**

* Auditory ability sufficient to monitor and assess health needs.
* Able to recognize and respond to voices.
* Able to hear medical equipment, emergency alarms, calls for help, cries of distress, and call bell.
* Able to hear heart, lung, bowel, and/or blood pressure sounds.

**Behavioral/Emotional**

* Ability to demonstrate professional behavior.
* Demonstrate compassion, concern for others, flexibility, initiative, integrity, and cooperation.
* Accept responsibility, accountability and ownership for own actions as an emotionally mature individual.
* Display a strong work ethic.
* Accept constructive criticism and respond by appropriate modification.
* Demonstrate the ability to tolerate taxing workloads, function effectively under stress, adapt to changing environments, display flexibility, and learn to function in the face of uncertainties inherent in fast‐paced clinical situations.
* Demonstrate emotional health and mental stability required for full utilization of intellectual abilities and exercise of good judgment.
* Develop mature, sensitive, and effective relationships with clinical team.
* Cope with psychosocial issues involving catastrophic illness, disability, and death; respond appropriately to emergencies.
* Manage academic schedules and deadlines.
* Comply with the professional standards of your industry.

**Communication**

* Ability to communicate effectively in English using verbal, nonverbal and written formats with faculty, patients, families, other health care team members and peers.
* Answer questions posed by patient, family members, physicians, faculty, and/or other health care team members.
* Demonstrate active listening skills.
* Assess nonverbal communications.
* Relay information to fellow students, faculty and staff, and members of the health care team.
* Receive, write, and interpret written communication in both academic and clinical settings.
* Able to resolve conflict with professionalism, respect, and sensitivity with people from a variety of social, emotional, cultural, physical, medical and intellectual backgrounds.
* Perform or assist with patient education

**Critical Thinking**

* Ability to collect, interpret, integrate and synthesize information to make decisions.
* Ability to read and comprehend relevant information in textbooks and professional literature.
* Able to assimilate knowledge from lecture, laboratory and clinical arenas.
* Able to utilize mathematical skills.
* Able to identify cause and effect relationship in clinical situations.
* Able to acquire information from written documents and computer information systems; identify patient problems and develop appropriate patient goals and interventions; know when to use universal precautions.
* Able to determine an alternate plan of action when the situation deviates from the textbook or standard of care.
* Apply knowledge to new situations and to problem solving scenarios.
* Able to comprehend multi-dimensional relationships and the spatial relationships of anatomic structures

**Mobility**

* Physical abilities sufficient to move around rooms in the administrative, clinical and laboratory environment, such as maneuver in small spaces and reach needed equipment.
* Able to move quickly and safely in a variety of clinical settings.
* Able to quickly and safely exit from buildings, corridors, file areas, and tight spaces in an emergency.
* Able to move, adjust and position oneself to bending, stooping, sitting, and squatting for long periods of time without standing or moving around.
* Able to stand for long periods of time.
* Able to administer CPR and BLS procedures.
* Able to transfer patients from wheel chairs to exam table, chair, or bed and back to the wheelchair.
* Able to lift up to 50 pounds.
* Able to access medical equipment from the floor to the ceiling.

**Fine Motor Skills**

* Possess manual dexterity and fine motor skills to perform safe and effective clinical skills.
* Demonstrate adequate coordination, balance, and speed when entering data into computer.
* Able to move, calibrate, and use equipment and supplies.
* Possess the manual dexterity to perform procedures involving very small instruments and supplies.
* Have adequate feeling in fingertips to perform a variety of clinical skills.
* Turn pages using thumbs and fingers on both hands.
* Able to perceive temperature change and pulsations and to differentiate between various textures and structures
* Able to palpate a pulse, check skin temperature, turgor, and skin contours.
* Able to document legibly, either in written or computer format, using correct terminology and spelling, and record pertinent clinical information regarding assessment findings or treatment rendered

**Vision**

* Visual ability sufficient for physical assessment, performance of administrative, clinical and laboratory procedures, and maintenance of environmental safety**.**

**Nondiscrimination Statement**

Fayetteville Technical Community College does not practice or condone discrimination, in any form against students, employees, or applicants on the grounds of race, color, national origin, religion, sex, age, disability or political affiliation. Fayetteville Technical Community college commits itself to positive action to secure equal opportunity regardless of those characteristics.



# Humanities/Fine Arts Pick List

**UGETC – Universal General Education Transfer Core**

| *Prefix* | *Title* | *Prerequisite* |
| --- | --- | --- |
| ART 111 | Art Appreciation | none |
| ART 114 | Art History Survey I  | none |
| ART 115 | Art History Survey II  | none |
| COM 231 | Public Speaking | none |
| ENG 231 | American Literature I | ENG 112, 113 or 114 |
| ENG 232 | American Literature II | ENG 112, 113 or 114 |
| MUS 110 | Music Appreciation | none |
| MUS 112 | Introduction to Jazz  | none |
| PHI 215 | Philosophical Issues | ENG 111 |
| PHI 240 | Introduction to Ethics | ENG 111 |

**General Education Core Courses**

| *Prefix* | *Title* | *Prerequisite* |
| --- | --- | --- |
| ART 116 | Survey of American Art | DRE 098 |
| ART 117 | Non-Western Art History | DRE 098 |
| COM 120 | Intro Interpersonal Com | none |
| DAN 110 | Dance Appreciation | none |
| DRA 111 | Theater Appreciation | none |
| DRA 112 | Literature of the Theater | none |
| DRA 115 | Theater Criticism | DRA 111 |
| DRA 126 | Storytelling | none |
| DRA 211 | Theater History I | none |
| DRA 212 | Theater History II | none |
| ENG 131 | Intro to Literature | ENG 111 |
| ENG 241 | British Literature I | ENG 112, 113, or 114 |
| ENG 251 | Western World Literature I | ENG 112, 113, or 114 |
| ENG 261 | World Literature I | ENG 112, 113, or 114 |
| HUM 110 | Technology and Society | DRE 098 |
| HUM 115 | Critical Thinking | DRE 098 |
| HUM 120 | Cultural Studies | DRE 098 |
| HUM 121 | The Nature of America  | DRE 098 |
| HUM 122 | Southern Culture | DRE 098 |
| HUM 130 | Myth in Human Culture | DRE 098 |
| HUM 150 | American Women’s Studies | DRE 098 |
| HUM 160 | Intro to Film | DRE 098 |
| HUM 211 | Humanities I | ENG 111 |
| MUS 113 | American Music | none |
| MUS 114 | Non-Western Music | none |
| MUS 210 | History of Rock Music | none |
| MUS 213 | Opera and Musical Theater | none |
| PHI 210 | History of Philosophy | ENG 111 |
| PHI 220 | Western Philosophy I | ENG 111 |
| PHI 230 | Intro to Logic | ENG 111 |
| REL 110 | World Religions | none |
| REL 112 | Western Religions | DRE 098 |
| REL 211 | Intro to Old Testament | DRE 098 |
| REL 212 | Intro to New Testament | DRE 098 |

**NOTE:** Students may not take an introductory foreign language to fulfill the Humanities/Fine Arts requirement.

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## **Tuition Fees and Program Expenses- Approximation**

The following is break down of the financial cost of attending the Medical Sonography Program. For further information about paying for college, please visit FTCC Financial Aid website <https://www.faytechcc.edu/financial-aid/>.

**FTCC Tuition and Student Fees**

|  |  |  |
| --- | --- | --- |
|  | **In-State Students** | **Out-of-State Students** |
| **Tuition** | $76.00 **per credit hour****5,624.00 total** | $268.00 **per credit hour****$19,832.00 total** |
| **Semester Fees** | **$**25.00 **student support fee\*****$**16.00 **technology fee\*\***$15.00 **CAPS fee\*\*\*** | $25.00 **student support fee\***$16.00 **technology fee\*\*****$**15.00 **CAPS fee\*\*\*** |
| **Program Related Fees** | **View Point**$84.00 per year\*\*\*\* **Rotation Manager**$28.00 per year **Castle Branch**$10.00 per year**Clinical Exchange**$79.00 two years**Trajecsys**$150.00 **Malpractice Insurance**$25.00 **Student Physical**Varies**Immunizations/Titers**Varies **CPR Certification**$45.00**Textbooks**$800.00 varies**Uniforms**$350.00 varies\*\*\*\*\*  | **View Point**$84.00 per year\*\*\*\* **Rotation Manager**$28.00 per year**Castle Branch**$10.00 per year**Clinical Exchange**$79.00 two years**Trajecsys**$150.00 **Malpractice Insurance**$25.00 **Student Physical**Varies**Immunizations/Titers**Varies **CPR Certification**$45.00**Textbooks**$800.00 varies**Uniforms**$350.00 varies\*\*\*\*\* |
| **Registry and Membership Cost** | **ARDMS SPI Registry**$225.00 | **ARDMS SPI Registry**$225.00 |
| **Graduation Costs** | **Graduation Application**$25.00 (Includes regalia) | **Graduation Application**$25.00 (Includes regalia) |
| **Total Cost of Attendance** | **$7800.00 (estimate)** | **$22,000.00 (estimate)** |

\*Student support fees include the cost of student accident insurance (group liability insurance), student government and other student-related activities.

 \*\*Technology fees include the cost of software, hardware, and technical support.

\*\*\*CAPS (Campus-Access-Parking-Security) fees support the college’s parking facilities, campus security, and enforcement.

\*\*\*\* ViewPoint cost includes the background check, drug screening, and health portal.

\*\*\*\*\*Uniforms- based on 4 shirts, 4 pants, lab jacket, and name tags.

**Tuition and fees may be subject to change based on monetary amounts set by the General Assembly.**

## **Financial Aid**

Students may be eligible to receive financial aid to assist with tuition and associated fees. Refer to the financial aid office for any related questions.

<http://www.faytechcc.edu/financial-aid/>

## **Scholarship Opportunities**

Scholarship opportunities are available for FTCC students. Prospective students interested in scholarship opportunities should visit the following website:

<https://faytechcc.academicworks.com/opportunities>

# Criminal Background/Drug Screens

Criminal background checks and drug screenings are required for the Radiography Program. Students may be prohibited from clinical education at specific clinical affiliates based on background check and drug screen results. This could prevent a student from progressing in the program.

# CPR Certification

Students are required to have the American Heart Association Basic Life Support for Healthcare Providers certification upon entrance to the program. It is the responsibility of the student to maintain certification and supply documentation to the faculty of the program throughout the two years prior to the expiration date on the card. Students not maintaining current CPR certification will not be allowed in the clinical education component of the curriculum. The following agencies offer CPR on an on-going basis:

* FTCC Continuing Education (2 Year) – (910) 678-8432
* American Heart Association (2 year) – (910) 323-9387

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# Malpractice Insurance

Students are to obtain malpractice insurance available through the college. Refunds on malpractice insurance fees will be granted only if the student withdraws prior to the first day of class. No refunds will be given in any other circumstances. The date available and cost for malpractice insurance will be announced once the student is accepted into the Radiography Program.

# Getting Started

Make an appointment with your advisor.

* Bring your Student Education Plan with you to your appointment for guidance on courses that need to be taken.
* Your advisor is your link to the latest information at FTCC.
* You may make an appointment with your advisor to register. If you have recently met with your advisor, you may wish to register for courses using Self-Service.
* Your advisor will help keep you on track for graduation and other important dates.
* Your advisor will help resolve academic-related problems or guide you in where to go for assistance.

# Admission Requirements

Priority consideration for admission to health programs will be given to individuals completing the following:

* Submit an online “Application for Admissions” to the Admissions Office.
* Request official transcripts are sent to the Admissions Office from high school and each college previously attended. It is the responsibility of the applicant to ensure the transcripts are received by the Admissions Office before the deadline.
* Complete all program prerequisites. \*
* Complete the entrance assessment with the required minimum scores, or achieve a grade of “C” or better in all recommended prerequisite courses. Prerequisite science courses may be attempted only twice. \*\* Exceptions may be approved by the appropriate health program chairperson.
* Submit application for the Sonography Program via Self-Service by January 30th. Be sure to print a copy for your records.

**Selection Criteria**

Applications will be ranked and selected on a competitive basis.

# Competitive Points for Sonography Application

| Application Item | Description | Points |
| --- | --- | --- |
| Competitive Point ClassesStage I | * Points earned by completing the general education courses within the degree.
* Points are calculated based on grade earned.
* Grade of “A” = 4 quality points per credit hour
* Grade of “B” = 3 quality points per credit hour
* Grade of “C” = 2 quality points per credit hour
* General education courses which earn points: BIO 163, COM 231 or COM 120, ENG 111, MAT 143, PHY110/110A, PSY 150
 | 84 points50% of total points  |
| Patient Care Experience or Certification Stage I | ***Proof of one of the following*** **Option 1: Work Experience**Proof of 6+ months full-time, hands-on patient care in a hospital, clinic, or long-term care setting. Accepted roles: CNA, EMT, Medical Assistant, Radiologic Tech, etc.Employer letter must include: job title, dates, and care duties.**Option 2: Certification**Submit a current (non-expired) certification/license in a patient care field like CNA, EMT, CCMA/CMA, Phlebotomy, or U.S. military roles (e.g., 68W, HM, 4N0X1, HS).**Points Awarded**• Option 1 or 2 = Admission points• No qualifying documentation = 0 points | 20 points 10% of total points |
| Advisee Information SessionStage II | * Medical Sonography Advisee Session/mandatory/Face to face – 5 points
* No attendance – 0 points
 | 5 points 5% of total points  |
| QuestionnaireStage II | * Scored 7 to 10 points – 10 points
* Scored 5 to 7 points – 5 points
* Scored less than 5 points – 0 points
 | 10 points 5% of total points  |
| Academic Sequencing/Academic Rigor Stage II | * Completion of all related course with a passing grade -5 points
* Completed A & P on first attempt - 5 points
* Grade in A&P (must be B or higher) (choose one only)
* Grade of “B” (minimum requirement) – 8 points
* Grade of “A” – 10 points
 | 20 points10% of total points  |
| Medical Sonography Two Day Skills Boot Camp Stage III | Up to 29 points will be earned based on the written test and hands-on assessment/evaluation* Scored 92-100% points = 29 points earned
* Scored 83-91% points = 19 points earned
* Scored 82-74% points = 9 points earned
* Scored below 73 points = 0 points earned
 | 29 points20% of total points  |

* **Stage 1**: Apply to SON program at <https://www.faytechcc.edu/academics/healthcare-programs/healthcare-program-enrollment/> (additional application beyond applying to FTCC) between November 1st and January 30th. Competitive points are calculated for courses completed by January 30th.
* **Stage 2**: You will upload your transcripts into the online portal Smarter Select. You will be emailed a link for this document repository. All Category I & II applicants are invited to the information session. Additional competitive points will be annotated on Competitive Points Worksheets based on documents provided. Category II students may be selected after all Category I students have been considered. **Note:** Failure to attend the face to face Information Session results in disqualification of eligibility. All policies and forms are subject to change on an annual basis.
* **Stage 3**: After Stage I & Stage II points are awarded, the TOP 24 applicants will be invited to invited to attend a Sonography Skills Boot Camp with Sonography Program faculty. Students will be assigned dates to attend the skills camp.
* The TOP 14 applicants with the highest total points are selected and issued a “conditionally selected” email by Health Admissions in which the student must “ACCEPT” their seat using a link in the email within a designated number of days. Top 14 students with highest point total are accepted into the curriculum. There will also be alternate students selected.
* Applicants not selected for admission and those processed after published deadlines may reapply for the following year and be considered with all other applicants for the next class.

Course Planning

Use this form to track your courses and grades as you complete the requirements for application to the program.

# Prerequisite Courses

| **Course(s)** | **Requirement** | **Complete/Grade** |
| --- | --- | --- |
| ENG 025  | All courses needed or equivalent. |  |
| MAT 025  | All courses needed or equivalent. |  |
| High School Biology or BIO 092/94, 110, 111 | One course needed or equivalent. |  |

# Related Courses

| **Course(s)** | **Requirement** | **Complete/Grade** |
| --- | --- | --- |
| ACA Elective | One course needed. |  |
| BIO 163 | One course needed. |  |
| MAT 143 | One course needed. May substitute a high math course. |  |
| ENG 111 | One course needed. |  |
| COM 120 or COM 231 | One course needed. |  |
| PSY 150 | One course needed. |  |
| PHY 110/ 110A | One course needed. |  |
| Humanities/Fine Arts Elective | One course needed. |  |