

# Diagnostic Medical Sonography

## *Student Handbook*

2023-2024



UNIVERSITY of  
SAINT FRANCIS™

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## Mission and Goal Statements

### *University of Saint Francis Mission*

Rooted in the Catholic and Franciscan traditions of Faith and Reason, the University of Saint Francis engages a diverse community in learning, leadership, and service.

### *College of Health Sciences Mission*

Grounded in Franciscan Values, the College of Health Sciences cultivates a diverse community of lifelong learners to achieve academic and professional excellence, healthcare leadership and service.

### *Diagnostic Medical Sonography Program Goals*

To prepare competent entry-level sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for abdominal extended, obstetrics and gynecology, and vascular sonography concentrations. The program will provide high quality didactic, lab, and clinical atmospheres for transformative learning. Student sonographers will be able to think critically and compassionately. Understanding the complexities of healthcare will be a focus of the program, including areas of professionalism, ethical behaviors, and skilled and quality care. Through these goals the Diagnostic Medical Sonography program compliments the mission of the University of Saint Francis; cultivating individual personal growth through applied healthcare education that results in impactful professionals.

#### a. Program Goal Minimum Expectations:

- Provide high quality education in didactic, lab, and clinicals.
- Grow individuals to think critically, compassionately, and ethically.
- Deliver professionals with entry level, but quality skills who are impactful to healthcare and society.

## Welcome

Beginning a career as a sonographer is exciting and probably apprehensive too. The USF faculty welcome you to the DMS Professional Sequence portion of the program! We are here to teach you the basics, intricate details, and everything you need to know to become a registered diagnostic medical sonographer.

The Information in this handbook is vital! You must be familiar with the academic and clinical expectations. Our pride for the sonography profession is portrayed by our standards, but we are here to be your biggest cheerleaders too. We are delighted to share this vocation with you.

At USF we strive for Franciscan Values to be the focal in everything that we do. These are an integral part of the Mission and Goals of USF and the Diagnostic Medical Sonography Program.

**In commitment to our Franciscan tradition, we:**

- Reverence the unique dignity of each person.
- Encourage a trustful, affirming prayerful community of learners.
- Serve one another, society, and the Church.
- Foster peace and justice.
- Respect creation.

## Academic Calendar

### *Fall 2023*

Classes Begin	Monday, August 28
Labor Day (no classes)	Monday, September 4
Fall Break (no classes)	Thursday-Friday, October 19-20
Mid-Semester	Friday, October 20
Sonographer Awareness Month	October
Thanksgiving Vacation (no classes)	Wednesday-Sunday, November 22-26
Final Exams	Monday-Friday, December 11-15

### *Spring 2024*

Term Begins	Monday, January 15
Mid-Semester	Friday, March 8
Spring Break (no classes)	Monday-Friday, March 11-15
Easter Vacation (no classes)	March 28 – April 1 Thursday (5:00PM)-Monday
Clinical Requirements Due	Monday, Feb 19
Final Exams	Monday-Friday, April 29-May 3
Commencement	Saturday, May 4

*Summer 2024*

Term Begins	Monday, May 6
Memorial Day (no classes)	Monday, May 27
Independence Day (no classes)	Tuesday, July 4
Term Ends	Friday, August 23

## Faculty

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## Costs

*Expected Costs for Students that are additional to standard institution tuition, fees, and books.*

Expected Cost	Approximate Cost All Costs are subject to change	When Cost is Required
<u>eValue Account</u> - Lab and Clinical Tracking Software	\$140	Programmatic Orientation (1 <sup>st</sup> Fall Semester)
<u>CastleBranch Account</u> - Clinical Requirement Tracking Software	\$137  \$42 <small>Background recheck fees may apply-\$30</small>	Clinical Orientation (1 <sup>st</sup> Spring Semester)  DMS 280 Clinical Education III (2 <sup>nd</sup> Spring Semester)
<u>Clinical Requirements</u> - Clinical Name Badge - Scrubs - Fit Test and OSHA Form - Immunizations Needed - TB Testing - Physical - CPR Certification	- \$20 - Variable - \$56 - Variable - On Campus: \$0 - On Campus: \$0 - On Campus: \$55  *Off campus Costs May Vary dependent on Personal Health Insurance Coverages	Clinical Orientation (1 <sup>st</sup> Spring Semester)
ARDMS Sonography Principles and Instrumentation (SPI) Exam	\$250	DMS 170 Sonography Physics II (2 <sup>nd</sup> Fall Semester)
Graduation Pictures	\$30	December (2 <sup>nd</sup> Fall Semester)
ARDMS Certification Exams - Abdomen Extended - OBGYN - Vascular <hr/> ARRT Certification Exams - Sonography - Vascular Sonography	\$275 each exam      \$225 each exam	DMS 290 Comprehensive Experience (2 <sup>nd</sup> Spring Semester) <i>*Passing exams earns credentials, it is highly encouraged to complete ARDMS exams (min 1, preferred 3) however this is not required</i>

# Academics

## *Curriculum*

### Academic Standards

For a student to be in good academic standing in the DMS Program, the following criteria must be attained:

1. Cumulative grade point average of 2.7 or higher on a 4.0 scale in all courses.
2. A grade of “C” or higher in all general education courses.
3. A grade of 82% or higher in all professional DMS courses.
4. Achievement at a satisfactory level of all stated clinical objectives and competencies.

Students will receive a mid-term progress report in all courses where they have a grade below “C” and a counseling session will be held to identify problem areas. If necessary, the student may be referred to the appropriate resources for further help.

Students with an Academic Integrity Violation during the semester will be placed on probation for one semester.

DMS and PreDMS students achieving below a 2.0 GPA will not be considered for probation.

Only one probationary period will be granted during the PreDMS classification and one in the DMS classification.

Once in the professional course sequence, failure in any of the DMS courses will result in automatic dismissal from the program.

### Academic Integrity

**Academic Integrity** is of the utmost importance. All students are assumed to be honest. Cheating or lack of academic integrity indicates the student likely does not have the potential to be a trustworthy practitioner in the healthcare field, therefore cheating in any form will not be tolerated.

Each incident will be reviewed in its entirety prior to any disciplinary action occurring. The first documented occurrence, in any course at USF, will result in an “F” for the assignment. This occurrence will be reported to the Office of Academic Affairs.

According to University policy, a second offense will result in the student receiving an “F” in the course which will supersede any withdrawal action by the student. Academic Integrity violations are cumulative of the student’s entire academic course load.

Failure in a program course will result in dismissal according to the Academic Standards policy found in the program’s Student Handbook. Please refer to the University’s Catalog for more information.

[Course Expectations - University of Saint Francis - Acalog ACMS™ \(sf.edu\)](#)

**Plagiarism** is the presenting of others’ ideas as if they were your own. When you write an essay, create a project, or create anything original, it is assumed that all the work, except for that which is attributed to another author or creator is your own work. Be aware that word-for-word copying is not the only form of plagiarism.



Plagiarism is considered a serious academic offense and may take the following forms:

- Copying word-for-word from another source and not giving that source credit.
- Cutting and pasting from internet or database sources without giving that source credit
- Paraphrasing the work of another and not giving that source credit.
- Adopting a particularly apt phrase as your own.
- Reproducing any published or copyrighted artwork, both fine and commercial.
- Digitally duplicating or downloading any copyrighted software, programs, or files.
- Paraphrasing another’s line of thinking in the development of a topic as your own.
- Receiving excessive help from a friend or elsewhere or suing another project as your own.

[Adapted from the Modern Language Association’s *MLA Handbook for Writers of Research Papers*. New York: MLA, 1995:26.

*Plagiarism is an Academic Integrity Violation.*

Honor Code

The DMS program is asking for you to sign an Honor Code Form. Signing this form is an act of accountability and your commitment to us as your educators, to USF, and to the profession of sonography in various areas of pertinent educational instruction.

Curriculum Plan and Course Descriptions

Semester	Course Title	Credit Hours	Course Description
General Education Requirements			
Theo 105	Franciscan Tradition	3	This course will allow students to discover the lives of Francis and Clare in their historical and cultural contexts. It will encourage students to reflect theologically on their relationships with God, neighbor, Church, and Creation in light of USF’s Franciscan values. It will also offer students an occasion to experience and reflect ethically upon on Francis’ continuing impact through service learning.
English 101	Rhetoric and Composition	3	Principles and techniques of expository writing; review of the fundamentals of grammar, usage, mechanics, and style. Preparation and writing of the documented research paper.
Math 132	Quantitative Reasoning	3	Solving real-life problems using interpretations and comparisons. Proportional reasoning. Modeling: variables, parameters, analysis, patterns, conclusions. Probabilistic Reasoning. Making decisions based on statistical information.
Psych 121	General Psychology	3	Principles and methods in the field of psychology, including individual differences, personality, behavior disorders and therapy, physiological and psychological effects of drugs, measurement, learning, and motivation.

Scie 273	Physical Survey with lab	3	Study of the basic concepts of physics, electricity, robotics, and chemistry. Explores relationships of matter and energy. Laboratory involves "hands-on" experience with the materials of chemistry and physics.
Biol 221	Anatomy and Physiology 1 with lab	4	Structure and function of various cells, tissues, organs, and organ systems of the human body, with special emphasis on the integumentary, skeletal, muscular, nervous system and sense organs. Mammalian dissection in laboratory.
Biol 222	Anatomy and Physiology 2 With lab	4	Structure and function of various systems of the human body with special emphasis on the circulatory, respiratory, digestive, endocrine, urinary, and reproductive systems. Mammalian dissection in laboratory.
Fall I		15	<b>Course Description</b>
DMS 125	Introduction to Medical Imaging	3	Intro to Medical Imaging offers an orientation to the medical imaging profession. In this course, the history and development of radiologic science, diagnostic medical sonography, nuclear medicine technology, magnetic resonance imaging, radiation therapy, mammography, and bone densitometry will be introduced. The basic biological effects of ionizing radiation, standards and methods of protection will be identified. The role of medical imaging within the healthcare industry will be incorporated throughout the course content.
DMS 150	Sonography Procedures - Abdomen	3	Prerequisite: BIOL 221, BIOL 222  This course will present normal anatomy, related pathologies, sonographic techniques and protocols, assessment, and interpretation of major abdominal organs and superficial structures. Emphasis will be placed on evaluation of the liver, gallbladder, pancreas, abdominal vessels, retroperitoneum, spleen, thyroid, scrotum, and breast. Students will learn in the realms of didactic and lab environments.
DMS 152	Sonography Procedures - OBGYN	3	Prerequisite: BIOL 221, BIOL 222  This course presents normal anatomy and sonographic techniques related to first and second trimester obstetrical imaging. Accessory testing will be reviewed, including various screening and diagnostic tests offered to the obstetrical patient. Pathology identified in the first and second trimesters will also be explored to include ectopic pregnancy, gestational trophoblastic disease, placental abnormalities, and congenital anomalies. Maternal diseases and possible effects on the fetus will be reviewed. Students will learn in the realms of didactic and lab environments.

DMS 162	Sonography Procedures - Vascular	3	Prerequisite: BIOL 221, BIOL 222  This course presents normal anatomy and pathologic conditions of the vascular systems. Sonographic techniques related to fluid dynamics and hemodynamics are explored. Exams of the peripheral arterial and venous systems will be studied. Testing methods will be presented in the determination of diagnosis and/or progression of vascular disease. Students will learn in the realms of didactic and lab environments.
DMS 130	Fundamentals of Sonography	3	Corequisite: DMS 125  This course is a study of the sonography machine, ergonomic practices along with associated sonography related MSK injuries, and protocols of sonography exams. Additionally, transducer care will be reviewed. Sectional anatomy in relation to sonography will be studied.
Spring I		12	Course Description
DMS 156	Sonography Procedures – Abdomen II	3	Prerequisites: DMS 150  This course will present normal anatomy, related pathologies, sonographic techniques and protocols, assessment, and interpretation of soft tissue exams, abdomen related procedures, neonatal exams, pediatric exams, and musculoskeletal exams. Emphasis will be placed on paracentesis, thoracentesis, thyroid biopsy, breast biopsy, neonatal spine, pediatric hip, and basics of MSK. A comprehensive exam will be administered at the end of the course, covering topics included in DMS 150 and DMS 156. Students will learn in the realms of didactic and lab environments.
DMS 158	Sonography Procedures - OBGYN II	3	Prerequisites: DMS 152  This course presents normal anatomy and sonographic techniques related to third trimester obstetrical imaging. Pathology identified in the third trimester will also be explored. Third trimester assessments including growth and biophysical profiles will be studied. Maternal birth complications and the relationship to sonography will be reviewed. Post-partum complications and the sonographic role will be a focus in this course. A comprehensive exam will be administered at the end of the course, covering topics included in DMS 152 and 158. Students will learn in the realms of didactic and lab environments.

DMS 168	Sonography Procedures Vascular II	3	Prerequisites: DMS 162  This course presents normal anatomy and pathologic conditions of the vascular systems. Exams of the cerebrovascular and visceral organs will be studied. Testing methods will be presented in the determination of diagnosis and/or progression of vascular disease. Various indirect testing methods will be addressed as well. A comprehensive exam will be administered at the end of the course, covering topics included in DMS 162 and 168. Students will learn in the realms of didactic and lab environments.
DMS 164	Medical Sonography Physics I	3	Prerequisites: Math, Physics  This course is a study of the physical principles of ultrasonic waves and their propagation, detection, and interaction with matter including biologic effects. The course also includes a study of the physics of doppler and the principle of doppler techniques. Bioeffects and safety measures as they pertain to ultrasound will be explored.
Summer I		4	Course Description
DMS 175	Intro to Clinical Education	4	Prerequisite: DMS 125  Course is designed to introduce the student to clinical education. This course provides the student with the fundamentals of patient care methods related to diagnostic imaging. Topics covered in the course include, vital signs, medical emergencies, age-specific care, cultural diversity, body mechanics, oxygen administration, infection control, aseptic and sterile technique, patient tubes and lines, pharmacology. Students will begin to rotate through clinical settings to gain experience in direct patient care, flow of sonography departments and performing basic exams under guidance of clinical instructors.
Summer II		4	Course Description
DMS 200	Clinical Education I	4	Prerequisite: DMS 175  In this course students will rotate through clinical settings to gain experience in the performance of sonographic examinations. Students will perform basic protocols under the guidance of clinical instructors.
Fall II		9	Course Description
DMS 270	Clinical Education II	5	Prerequisite: 200  In this course students will rotate through clinical settings to gain experience in the performance of sonographic examinations. Students will perform basic protocols under the guidance of clinical instructors.

DMS 170	Medical Sonography Physics II	3	Prerequisites: DMS 164  This course is a study of the various components of sonographic instrumentation and the application of this technology. The course includes discussion of transducer technology and its applications. Imaging artifacts will be explored to include those which occur in 2D imaging, spectral, and color doppler. A comprehensive exam will be administered at the end of the course, covering topics included in DMS 164 and 170.
DMS 260	Medicolegal Issues in Imaging	1	This course covers important legal definitions, legal doctrines, malpractice and risk management information, ethics and patient rights relevant to the field of diagnostic imaging and the role of the imaging professional.
Spring II		9	Course Description
DMS 280	Clinical Education III	5	Prerequisite: DMS 200, 270  In this course students will rotate through clinical settings to finalize experiences in the performance of sonographic examinations. Students will complete all competencies necessary, as well as gain confidence in their scanning protocols and techniques.
DMS 290	Comprehensive Experience	4	Prerequisite: 200, 270, 280  During the clinical conference lecture series, resume preparation, interview skills, applying for certification, continuing education requirements, and professional preparation for entry level employment as a sonographer will be covered. As well, related professional organizations, and regulatory agencies will be discussed.

### Grading Scale

The DMS Program has its own grading scale, it differs from the university grading scale. This is common among the health sciences programs. This scale is not meant to discourage you. It is a reality that at the end of the program you will have to take multiple exams to gain your sonography certifications. This grading scale is one method of preparing you for the end goal of becoming a diagnostic medical sonographer.

A 97-100

A- 94-96

B+ 91-93

B 88-90

B- 85-87

C+ 82-84

C 76-81

D 70-75

F 69 – Below

***\*Important to remember: all DMS courses are required to have an 82% or higher to progress in the program.***

#### Grade Appeals

1. The student shall, in good faith, attempt to settle the disagreement in an “informal” manner at the lowest level possible.
2. This process begins with a meeting and discussion between the student and the faculty member who issued the grade. The “informal” attempt at resolution shall be accomplished within 10 working days after the student has received notification of the final grade.
3. If the student is not satisfied with the result of the meeting with the faculty member, the student shall meet with the Academic Program Director within 10 working days. The Program Director shall attempt to settle the disagreement. Within 10 working days after the meeting, the Program Director shall respond, in writing, to the student.

All formal grievances will continue under the policy and procedures for resolving academic grievances as they appear in the of the University of Saint Francis catalog, [Student Complaint Process - University of Saint Francis - Acalog ACMS™ \(sf.edu\)](#)

#### *Academic Support*

#### DMS Program Resources and Applications

We want you to be successful at becoming a sonographer. This is a tough journey!

The program will be using multiple different applications to provide a thorough learning experience.

#### Canvas

- This is the learning management system that USF uses for course delivery and grading. Canvas is accessible from My Cougar Connection. There is also an app.
- **Important:** All the DMS courses should be viewed through the modules. This is the intended flow of the program. If you view the course by assignments, due dates, to-do's etc. You may miss something.
- You can access support for Canvas in the Canvas application itself. There are also many videos and how to's available online. You can also access MCC to utilize the USF Support Pages.
- **Best advice: Do not wait until the last minute!**

#### HonorLock

- This is an application within Canvas. It is utilized for testing purposes. If cheating occurs, it can and will be detected. **It is smartest not to cheat! Consequences will ensue.**
- HonorLock has a help feature within Canvas that you should utilize, accessible is a chat option that is quick and easy. This is best practice to use if you are experiencing difficulties.
- Please understand upfront that the reason we are testing you is because you need to know the information for the future, and you need to be practiced at taking tests.

#### Flash Drives

- Each student will be given one flash drive for the utilization of transferring images from the ultrasound units to Canvas for submission. [These are required to be returned at the end of the program.](#)

#### The Point – LWW ([lww.com](http://lww.com))

- The publisher for our main set of content textbooks is LWW. The Point is their website that has various features for use with your textbooks. It would be a benefit to you to become familiar with their resources and utilize them if applicable.

#### Sonosim

- This is Sonography specific Simulation equipment that we are utilizing. It has two components, the first is videos and tests. This is done online through the Sonosim website. The second component is simulation. This is only accessible in the DMS labs. There are specific stations set up for the simulation. You will have simulation assignments that you will complete.
- This will be a part of your learning experience and there will be graded assessments.
- Each student will get a log in and will go through an orientation to the program.
- There are no further charges associated with the use of this application.

#### eValue

- This is a service that is utilized for assessing and tracking lab components, clinical hours, and scanning evaluations. It will be used for the first year in the lab for the lab checkoffs that are required, as well as logging when you participate in open lab sessions. It will be used in the second year to track clinical experiences, logging time and exams, and assessing clinical performance competency of scanning.
- This is a mandatory application for the DMS program. You will receive an email to create your account. There will be a cost associated with this application. There is no additional cost.
- eValue has a 'Help' feature built into their home screen, utilize this if you are having difficulties.
- **Lab Year:**

- o Logging Lab Checkoff Evaluations

**\*\*MUST SELECT CORRECT LAB INSTRUCTOR AND COURSE ASSOCIATED WITH THE CHECKOFF\*\***

- On the main screen, under Tasks: select 'Log New Case'
- Fill in all information:
  - For Patient ID and Exam Findings, type N/A
  - Log Group: select corresponding Exam Group and Click 'Add Daily Logs'
  - Evaluation Group: Filter by the Associated Course, select Checkoff to send to Lab Instructor and Click 'Add Evaluation'
  - Click 'Save Record'

- o Logging TIME when you come to Open Labs

- On the main screen, under Tasks: select 'Log Time'
- Select Task 'Open Labs' and Your Supervisor (lab Instructor)
- For the option of 'Course' – select Open Lab
- Select day and time information, click on the calendar to apply it to a date

- **Clinical Year:**

- o Logging Level 1 and Level 2 Competencies
  - Identical to logging Checkoff Evaluations
  - You must also fill in the last four of the patient ID and Exam Findings areas

- Make certain to select the correct Comp Evaluation form, course, and clinical preceptor who is evaluating the exam.
- You cannot log more than 7 days in the past, you must keep current.
- Logging your time spent at the Clinical Site
  - Identical to logging open lab hours
  - Make certain to select your Supervisor (Clinical Coordinator), accurate course and clinical site.
- Logging Time when you come to Open Labs

#### CastleBranch

- This is a service that is utilized for tracking clinical requirements. Students will be responsible for associated costs. We will go in detail about this when we do the first Clinical Orientation.

#### Other Applications

- CamScanner: The *free version of this will be required* for taking pictures with your phone and uploading as documents. The app will format a picture to a PDF. It is found in your App store.
- Quizlet: The *free version of this will be required*. There will be assignments that you will make quizlets and submit a link. Find it here [Quizlet](#).
- Kahoot: The *free version of this will be required*. We will utilize this throughout the program. Find it here [Kahoot.it](#).

#### Microsoft Suite

- As a USF student you have access to various computer software's for free, including Microsoft suite. You can find information about this in My Cougar Connection or by accessing this link. [Installing Microsoft Office 365 on Your Personal Devices for Free \(sharepoint.com\)](#)

#### USF Support

There are various opportunities for USF Academic Support. The biggest aspect of this is reaching out to someone when you need support. It is always good practice to reach out to your instructor if you are struggling in a specific class or in a certain topic.

Avenues of support:

- Your instructor or other program faculty.
- Each other! Utilize your classmates, they are going through the same thing that you are.
- USF provided Testing Services, Academic Support and Tutoring: various methods available and most easily found by going to My Cougar Connection à Academics à Academic Services.
- The USF library [Lee & Jim Vann Library - University of Saint Francis \(sf.edu\)](#). Our librarians are a great resource for you, you can access them directly from the website.

The University of Saint Francis strives to make all learning as accessible as possible. The DMS program strives for an accessible learning environment. If you anticipate or experience academic barriers due to your disability including – a learning disability, chronic or temporary medical conditions; or if there are aspects of the instruction or design of the course that result in barriers to your inclusion or to accurate assessment of achievement—such as inaccessible web content or other course accommodation concerns, please contact:

Fort Wayne Campus: Ms. Geneva Burgess, Coordinator of Accessibility Services in the Academic and Career Development Center, at [gburgess@sf.edu](mailto:gburgess@sf.edu) or 260-399-8112 x6075. The Center is in JP11 210



and can provide resources, services, and reasonable accommodations for students with documented disabilities.

Crown Point Campus: Mittie Allen-Thompson, Student Support Specialist, at [MDThompson@sf.edu](mailto:MDThompson@sf.edu) or 219-488-8888 x5418. Her office is on the Crown Point campus.

More information on how to receive services can be found on [accessibility.sf.edu](http://accessibility.sf.edu). If you plan on using your accommodations, please present the instructor with your Accommodations Letter from Student Accessibility Services so we can discuss the accommodations you may need in class.

### *Student Information*

#### Advising

Students are each assigned an advisor by the DMS program. It is the responsibility of the student to know who their advisor is and communicate with them as necessary.

Per USF standards, students are required to meet with their advisor prior to registration every semester. Students should be aware to look for communications from their advisor regarding meeting sign ups and respond promptly.

Advisors are meant to be a resource for the student. Utilize your advisor if you are facing difficulties, need advice, or help to find available USF resources.

#### Change of Name and Address

Students must report any name or address change to the DMS Program Director AND the USF Registrar's office. Submit a Form in Form Central to update information.

#### Course and Program Evaluations

Students are given the opportunity to evaluate each course and faculty instructor at the end of every semester. Didactic courses are selected to be evaluated as required by USF policy in the USF Faculty Handbook. Faculty do not view the completed evaluation forms until final grades have been submitted to the Registrar.

Program evaluations may occur at midsemester. Please expect program evaluations after graduation.

Evaluations are vitally important to program performance and improvement. As well, evaluations are required by DMS programmatic accreditation and must meet response thresholds.

#### We need your feedback! Constructive evaluation tips –

- Provide specific examples
  - o The presentation requiring APA format was difficult to do correctly when no resources were provided to students from the instructor. (Helpful!)
  - o The quizlet assignments were a useful tool for me to learn medical terminology. (Helpful!)
  - o The course sucked. (Not helpful in making changes to improve the course!)
- Focus on the course content and your learning. Do not make comments on things that do not affect your education.
  - o The lab teacher is super cool. (Not helpful in determining if the instructor teaches well. Cool does not always equal good learning)

- The instructor always wears really cool shoes. (Not helpful for determining quality of the instructor or educating)
- The lab teacher can help me understand the textbook better by the short reviews at the beginning of each lab. (Helpful!)
- Be nice and remember...
  - All faculty members are here because they want to be! Our intentions are always rooted in providing the best education to the students.
  - Not all students learn the same. Sometimes an assignment that was really difficult for you, was very helpful for another. Courses are designed with purpose and utilize various technical aspects. You might not realize how one thing is building upon other concepts.
  - Evolution is necessary! Instructors realize that sometimes things need to evolve to function better. Evolvement is rooted in student evaluations!

Course and faculty evaluations are reviewed by the Program Director. Copies of course/faculty evaluations are retained in the program files along with a Summary Report for the DMS Program.

### Social Media

Many students may already be a part of one of the many social networking sites available such as Facebook, Twitter, Instagram, etc. Social networking sites provide many positive opportunities for communication, connectivity, and the maintenance of healthy relationships. However, these sites can be problematic if improperly used in connection with healthcare and healthcare education due to the sensitive personal data.

In keeping with the Health Information Portability and Privacy Act (HIPPA) students in the sonography program must always adhere to privacy regulations and therefore must not discuss any activities that they were involved in or occurred at any of the clinical sites on any social networking site. It is never permissible to post an ultrasound image, personal image, and/or personal information from the lab or clinical setting of another person on any social media site.

In addition, students should refrain from making any personal, derogatory, defaming, threatening or profane comments against fellow students, staff, or faculty or any other behavior that would violate the Professional Code of Conduct on any social media site.

Students in violation of the social media policy are subject to immediate dismissal from the program and could possibly face civil and criminal penalties. Students should remember that at this time any posting cannot be fully erased, and inappropriate use of social networking sites can diminish your personal and professional reputation as well as the reputation of the USF and the DMS Program.

Maintain your own personal and professional integrity by refraining from any involvement correlating personal information from your educational and professional experiences on social media.

### DMS Course Guidelines

The DMS courses are required to be taken in a specific sequence. It is not permissible to move into the next semester of the professional sequence until all the courses of the current semester have been passed in accordance with the academic standards. If one or more courses are not passed, the student will need to consider the option of recycling into the program the following year.

As previously stated, all DMS courses are required to have an 82% or higher according to the DMS program's grading scale. If less than the 82%, the student will not meet DMS progression standards and will require a recycle to the following year.

The DMS program has a policy of No Late Assignments accepted past their due date for points. However, all assignments must be completed and submitted before a student can be allowed to pass the course. It is encouraged that assignments are completed promptly but must be completed before the end of the semester. The DMS program must be able to confirm that students demonstrate knowledge of topics before they are allowed to progress in the program.

***ALL assignments must be submitted regardless of the score for the student to receive credit for the course, even if the due date has passed.***

### DMS Lab Guidelines

The DMS program places students into assigned labs. Students are expected to be at their scheduled lab days and times.

Use: It is of the utmost importance that all equipment is handled with great care. Probes are not to be moved amongst machines; they are not meant for that. All probes must be carefully placed into a holding spot, they must never be laid down on a bed. Per Infection Control policies, all equipment will be cleaned after each use and is the responsibility of the student scanning. Towels are to be placed into the laundry carts. Gel is to be returned to the warmers. ***Misuse of equipment can result in disciplinary action.***

Food and Drinks are allowed only at the student tables in the middle of the lab rooms. There is to be no food or drink around the machines or on the countertops of the SonoSim equipment.

ALARA will be followed as a guideline in the scan labs. As Low As Reasonably Achievable; meaning unnecessary scanning is not allowed.

Any incident in the lab MUST be reported immediately to the supervising faculty member, the faculty member must report this to the program director.

Equipment malfunctions or deteriorations must be reported to the supervising faculty member, the faculty must report this to the program director.

DMS Labs are monitored via cameras.

## Sonography and USF Program

### *Description of Profession*

"Sonography (ultrasound) is a non-invasive diagnostic medical imaging procedure that is used to visualize organs or systems in the body. It is commonly used to monitor fetal growth and understand the health of the heart, the abdomen, and the vascular and musculoskeletal systems. Sonography is one of the fastest-growing healthcare fields, with demand for skilled and certified professionals increasing every year." – *American Registry of Diagnostic Medical Sonography, ARDMS.org*

"Diagnostic medical sonography is a multi-specialty profession comprised of abdominal sonography, breast sonography, cardiac sonography, musculoskeletal sonography, obstetrics and gynecology sonography, vascular sonography, and other emerging clinical areas. These diverse areas all use ultrasound as a primary technology in their daily work.

The diagnostic medical sonographer is an individual who provides patient care services using ultrasound and related diagnostic procedures. The diagnostic medical sonographer must be educationally prepared and clinically competent as a prerequisite to professional practice. Demonstration and maintenance of competency through certification by a nationally recognized sonography credentialing organization is the standard of practice in sonography, and maintenance of certification in all areas of practice is endorsed. The diagnostic medical sonographer functions as a delegated agent of the physician and does not practice independently. Diagnostic medical sonographers are committed to enhanced patient care and continuous quality improvement that increases knowledge and technical competence. Diagnostic medical sonographers use independent, professional, and ethical judgment, and critical thinking to safely perform diagnostic sonographic procedures.

The diagnostic medical sonographer generally performs the following:

- Obtains, reviews, and integrates pertinent patient history and supporting clinical data to facilitate optimum diagnostic results
- Performs appropriate procedures and records anatomic, pathologic, and/or physiologic data for interpretation by a physician
- Records, analyzes, and processes diagnostic data and other pertinent observations made during the procedure for presentation to the interpreting physician
- Exercises discretion and judgment in the performance of sonographic and/or related diagnostic services
- Demonstrates appropriate communication skills with patients and colleagues
- Acts in a professional and ethical manner
- Facilitates communication and education to elicit patient cooperation and understanding of expectations and responds to questions regarding the sonographic examination.”

- *Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS) and Commission on Accreditation of Allied Health Education Programs (CAAHEP); JRC-DMS.org, CAAHEP.org*

#### ***Standards of Professional and Ethical Conduct***

The DMS program expects students to adhere to professional and ethical conduct that has been outlined by the professional organization, Society of Diagnostic Medical Sonographers, and the University's Franciscan values. The DMS program will hold students to a high level of professional and ethical conduct.

DMS students will:

1. Promote a High Level of Competent Practices
2. Promote Professional Integrity and Public Trust
3. Promote Patient Well Being
4. Promote the Sonography profession as a Professional service
5. Maintain Confidentiality and Adhere to National Regulations
6. Maintain a Positive, Mature, Adaptable, Responsible character
7. Possess Integrity, Respect, and a Service Minded Mentality

### **Society of Diagnostic Medical Sonography**

#### **PREAMBLE**

The goal of this code of ethics is to promote excellence in patient care by fostering responsibility and accountability among diagnostic medical sonographers. In so doing, the integrity of the profession of diagnostic medical sonography will be maintained.

## OBJECTIVES

1. To create and encourage an environment where professional and ethical issues are discussed and addressed.
2. To help the individual diagnostic medical sonographer identify ethical issues.
3. To provide guidelines for individual diagnostic medical sonographers regarding ethical behavior.

## PRINCIPLES

Principle I: In order to promote patient well-being, the diagnostic medical sonographer shall:

- A. Provide information to the patient about the purpose of the sonography procedure and respond to the patient's questions and concerns.
- B. Respect the patient's autonomy and the right to refuse the procedure.
- C. Recognize the patient's individuality and provide care in a non-judgmental and non-discriminatory manner.
- D. Promote the privacy, dignity, and comfort of the patient by thoroughly explaining the examination, patient positioning and implementing proper draping techniques.
- E. Maintain confidentiality of acquired patient information and follow national patient privacy regulations as required by the "Health Insurance Portability and Accountability Act of 1996 (HIPAA)."
- F. Promote patient safety during the provision of sonography procedures and while the patient is in the care of the diagnostic medical sonographer.

Principle II: To promote the highest level of competent practice, diagnostic medical sonographers shall:

- A. Obtain appropriate diagnostic medical sonography education and clinical skills to ensure competence.
- B. Achieve and maintain specialty specific sonography credentials. Sonography credentials must be awarded by a national sonography credentialing body that is accredited by a national organization which accredits credentialing bodies, i.e., the [National Commission for Certifying Agencies \(NCCA\)](#) or the [International Organization for Standardization \(ISO\)](#).
- C. Uphold professional standards by adhering to defined technical protocols and diagnostic criteria established by peer review.
- D. Acknowledge personal and legal limits, practice within the defined [scope of practice](#), and assume responsibility for his/her actions.
- E. Maintain continued competence through lifelong learning, which includes continuing education, acquisition of specialty specific credentials and recertification.
- F. Perform medically indicated ultrasound studies, ordered by a licensed physician or their designated health care provider.
- G. Protect patients and/or study subjects by adhering to oversight and approval of investigational procedures, including documented informed consent.
- H. Refrain from the use of any substances that may alter judgment or skill and thereby compromise patient care.
- I. Be accountable and participate in regular assessment and review of equipment, procedures, protocols, and results. This can be accomplished through facility accreditation.

Principle III: To promote professional integrity and public trust, the diagnostic medical sonographer shall:

- A. Be truthful and promote appropriate communications with patients and colleagues.

- B. Respect the rights of patients, colleagues, and yourself.
  - C. Avoid conflicts of interest and situations that exploit others or misrepresent information.
  - D. Accurately represent his/her experience, education, and credentialing.
  - E. Promote equitable access to care.
  - F. Collaborate with professional colleagues to create an environment that promotes communication and respect.
  - G. Communicate and collaborate with others to promote ethical practice.
  - H. Engage in ethical billing practices.
  - I. Engage only in legal arrangements in the medical industry.
  - J. Report deviations from the Code of Ethics to institutional leadership for internal sanctions, local intervention and/or criminal prosecution. The Code of Ethics can serve as a valuable tool to develop local policies and procedures.
- [Code of Ethics for the Profession \(sdms.org\)](http://sdms.org)

### ***Hybrid Learning Platform***

The USF Sonography program will be delivered in a hybrid manner, meaning portions are delivered online and portions are required to be in person.

Students will use Canvas Learning Management System (LMS) as the main method of content delivery. This is an online delivery system that is asynchronous, in general you do not have a required class meeting time. In some DMS courses you will be asked to attend some virtual sessions.

Students will use in-person instruction as the main method of psychomotor learning. There are specific days and times that the students will be required to come to the USF campus and/or to a clinical affiliate location.

### ***Student Learning Outcomes***

Abdominal Extended, Obstetrics/Gynecology and Vascular areas of instruction with specific learning domains: Cognitive, Psychomotor, and Affective.

First Student Learning Outcome (Cognitive): Obtain, review, and integrate pertinent patient history and supporting clinical data to facilitate optimum diagnostic results.

Second Student Learning Outcome (Psychomotor): Perform appropriate procedures and record anatomic, pathologic, and/or physiologic data for interpretation by a physician.

Third Student Learning Outcome (Affective): Exercise discretion and judgment in the performance of sonography diagnostic services.

Fourth Student Learning Outcome (Psychomotor): Demonstrate appropriate communication skills with patients and colleagues.

Fifth Student Learning Outcome (Affective): Act in a professional and ethical manner.

Sixth Student Learning Outcome (Cognitive): Provide patient education related to medical ultrasound and promote principles of good health.

### ***Program Effectiveness Measures***

1. Pass certification examinations for ARDMS (SPI/Concentration) and/or ARRT (S/VS).
2. Graduates employed or military enlistment within one year of graduation.
3. Graduates deem their education satisfactory (composite score of 3+).

4. Employers deem graduates as satisfactorily prepared for entry level sonography work (composite score of 3+).

## DMS Program Requirements

### *Admissions Requirements*

The Diagnostic Medical Sonography (DMS) Program has two classifications of students: PreDMS and DMS. Most often students are accepted into the program as a PreDMS classification. These are students who are working to fulfill the below specified DMS admissions criteria.

To be fully admitted to the Diagnostic Medical Sonography program, the applicant must:

1. Submit all previous academic transcripts of attempted coursework and upon review:
  - a. A minimum admissions GPA of 2.70 in high school or on a minimum of 12 college credits.
2. Meet one of the following criteria for admission:
  - a. Take the Ultrasound Student Assessment (USA) exam with a Combined Score above 0. (A fee is assessed directly from Pegasus Lectures.)
  - b. SAT exam scores for admission are 1080 or higher.
  - c. ACT composite score of 19 or higher.
  - d. Attain a GPA of 3.2 or higher while taking a minimum of 12 semester hours of coursework at USF.
3. Meet one of the following:
  - a. Graduate from an accredited high school with a cumulative GPA of 2.7 or above. Students who did not graduate from high school must have completed the General Education Development (GED) tests, with a composite score of at least 2,500 and no sub score below 500.
  - b. Earn 12 or more credit hours, in related college subjects, with a cumulative GPA of 2.7 or above. At least three credits must be from a biological or physical science course with a lab component.
  - c. Possess an associate or higher-level degree from a regionally accredited institution with a cumulative GPA of 2.7 or higher.
4. Complete all prerequisite college courses with a grade of C or higher:
  - a. English Composition
  - b. Math: Quantitative Reasoning, Algebra and Trigonometry or higher-level course
  - c. Physics with a lab/Physical Survey with a lab
  - d. Anatomy and Physiology I with lab
  - e. Anatomy and Physiology II with lab
5. A rubric is used for reviewing each application and scored. A minimum of 5 points is necessary to move from the PreDMS to DMS classification.
  - a. 0 to 2 points are awarded in the following categories:
    - a. High School GPA: 0, 1, 2
    - b. Aptitude Test Scores: 0, 1, 2
    - c. USF GPA: 0, 1, 2
    - d. College Degree: 0, 1, 2
    - e. Required General Education Course Completion Grade of 'A': 0,1,2

- b. Additional options for 1 point each, include:
  - a. A score of 1 or greater on the Ultrasound Student Assessment (USA) exam
  - b. An active healthcare license, examples: Medical Assistant, CNA, EMT
  - c. Military Service
  - d. GPA improvements of 0.5 or more from initial learning experiences to subsequent learning experiences.

### *Waitlist*

There are no limitations on the number of PreDMS or DMS students overall. However, there is limited availability for the DMS Professional Course Sequence.

The professional course sequence placements are determined by

1. Date of Acceptance as a USF Student, PreDMS, DMS classifications
2. Evaluation of Student's Admissions Rubric
  - a. Rubric points are given for High School and College GPA's, Standardized testing scores, Ultrasound Student Assessment (USA) score, proof of current medical field certification (i.e., CNA, EMT, MA, Pharm Tech, etc.), military history, GPA improvements, required general education final grades.
3. Overall GPA

Earning the DMS classification makes you eligible for the Professional Course Sequence. Each fall semester a cohort of DMS students will begin the Professional Course Sequence. Once the cohort is full, students continuing to apply to DMS will be placed on a cohort waitlist. Students will be notified by the program director when they are placed on the waitlist and when they are placed into a Professional Course Sequence cohort. Movement of students from the waitlist into an earlier class may occur if positions become available. It is mandatory for all students on the waitlist to maintain their USF enrollment to hold their spot for the next available cohort.

### *Academic Review and Progression Requirements*

The DMS Academic Review Committee will meet after each academic session (fall, spring, summer I, summer II) to review student files for two reasons.

1. Conversion from the PreDMS classification to the DMS classification through completion of all DMS specific admissions criteria.
2. Compliance with the academic standards criteria. Dismissal and/or terms of probation will be the decision of the Review Committee.
  - a. DMS and PreDMS students achieving below a 2.0 GPA will not be considered for probation and will be dismissed from the program.
  - b. Only one probationary period will be granted during the PreDMS classification and one in the DMS classification.
  - c. Once in the professional course sequence, failure in any of these courses will result in automatic dismissal from the program.

To be in good academic standing and achieve progression, students must maintain a GPA of 2.7 on a 4.0 scale, a grade of 82 percent (C+) or higher in all professional courses, a "C" or higher in general education



courses and achieve all clinical competencies required in each semester or summer session to advance in the program.

#### *DMS Associate of Applied Science Degree Graduation Requirements*

74 credit hours are required for Degree completion. All students will complete required credits indicated in the program's curriculum plan with a cumulative GPA of 2.7 on a 4.0 scale for eligibility to graduate with this degree.

#### *Exit Interview Process*

Students are required to meet university and program expectations to be eligible for graduation.

DMS faculty will have advising sessions on all potentially graduating students in the fall semester of the graduating academic year.

1. Students will be notified of any requirements not met and how to meet them during their advising session.

Students will need to submit the application for graduation found in My Cougar Connection before the Deadline in the spring semester. A final student file audit will be completed by the Program Director during their graduation year and an exit interview will be conducted prior to graduation approval.

*Student surveys will be sent out to each student after graduation. This is of the utmost importance to be returned to the DMS program.*

## **DMS Program Policies**

#### *Class Cancellation/Emergency Weather Information*

Cancellations are specific to your campus.

Faculty and students should be prepared for inclement weather. USF will utilize their campus wide alert system for notifications of closures. ***You must keep your information up to date with the registrar's office for this system to be used successfully.*** Notifications will also be on local radio/TV stations and at [www.cancellations.com](http://www.cancellations.com).

Inclement weather, travel to the campus or to clinical sites is at the discretion of the individual student and/or faculty, based on their assessment for personal safety. USF and/or Faculty cancellations will be excused, and students will not be penalized in their attendance grades.

Due dates for online course work will not be changed/extended unless there are extenuating circumstances deemed so by the course instructor and/or program director.

#### *Communicating with Faculty and Students*

Communication is required for success in the DMS program. Students and instructors will utilize several methods of communication.

1. Sonography Cohort Canvas Course

- a. This is our main source of communication regarding the program overall. Here you will find information that pertains to the program overall and tasks that must be completed. The month prior to your Cohort starting, you will be added to this Canvas Course by the program. *You will not find specific information regarding your courses here.*
2. DMS Canvas Courses
  - a. This is our main source of communication regarding specific courses. It is best practice to identify the course instructor's primary means of communication from their introductory page.
3. Microsoft Bookings and Teams
  - a. This is our main source of meeting with a student or faculty member. This can be utilized at any time to meet with a faculty member and/or the program director.
4. DMS Lab Communication Boards
  - a. This is a source of communication regarding activities for each campus. Check it out each time you are in lab.
5. Office Meetings and Email
  - a. The DMS Office suite accommodates other departments and USF faculty. It is important to utilize Bookings to meet if possible. Open office hours are available as well. Students are asked to check in with the administrative assistant and to keep noise to a minimum while in the office suite.
  - b. All faculty have a USF email that can be found in the handbook and in each course syllabus. Email is an extremely effective and convenient way of communicating with faculty.

***\*Students facing emergent situations or mental health crisis are always urged to contact a DMS faculty member, advisor, or the program director by any means.***

### ***Attendance***

To meet the educational objectives and accomplish the goals of the DMS program, regular and prompt attendance is necessary. This pertains to lab and clinical settings. Students who have stopped attending, without officially withdrawing, will receive an 'F' for the course. Attendance policies are as follows:

### **Lab**

Regular and prompt attendance is required; labs are a necessary component of academic success.

1. Students may have 2 absences that they can use at their discretion for each lab course, per semester, without repercussion.
2. Missed Lab activities, assignments, checkoffs, etc. are mandatory makeup work.
3. If additional labs are missed and unexcused there will be an overall 1% course grade reduction for each occurrence. The student is required to meet with their instructor to determine the cause of absences; as indicated: a meeting with the program director to determine best course of action for the student and program enrollment consequences.
4. Arriving late to lab or leaving early are both considered tardiness. Recurrent tardiness will result in an overall course grade reduction of .5%. Recurrent is considered more than 3 times. Tardy is considered more than 10 minutes.
5. At the end of the semester unused excused absences will be applied as 10 bonus points to the concentration content portion of the final grade.

6. **Student responsibilities:** Alerting the lab instructor of an absence and scheduling the required makeup work with the instructor.

## Clinicals

Student Allotted Absences: 2 Absences per Semester, Summer (1 and 2 together), Fall, and Spring.

### The call-in procedure to report clinical absences is as follows:

1. Students are allotted two absences per summer (both sessions together), fall, and spring semester. The call-in procedure to report clinical absences is as follows:
  - a) **Students must notify the clinical course instructor prior to the start of the assignment if they will be absent.**
    - Voice mail message should be left with the Clinical Faculty on duty, no later than 30 minutes prior to the clinical site start time. Date and time are recorded, messages can be left 24 hours a day.
    - **Clinical Faculty on Duty, along with contact information, can be found in the Cohort Canvas Course**
    - Student name and scheduled clinical site name should be communicated.
  - b) Students are responsible to call their scheduled clinical site to notify them of their absence.
    - a. Absence Notifications
      1. Clinical Coordinator will issue written notification after two excused absences.
      2. After a third absence the student must meet with the Clinical Coordinator within 1 week.
        - i. Attendance counseling and required make up information will be discussed. Students are required to make up the missed clinical experience at the end of the semester on a day designated by the DMS program.
        - ii. Circumstances will be brought to the faculty council for consideration, grade reductions will occur without faculty approval.
      3. After a 4<sup>th</sup> absence, without prior arrangements/proper documentation, will result in being withdrawn from the clinical course.
      4. Illness of 3 days requires written clearance from the student's medical provider to return to the clinical area.
      5. Students may request a leave of absence according to program policy if circumstances prevent clinical attendance for reasons such as: injury, illness, and pregnancy.
      6. The Clinical Coordinator reserves the right to remove a student from class or clinical, should it be judged that their health and/or behavior and conduct is detrimental to self or others.

### Clinical Tardiness, Early Departure, Meal Break

The expectation is for all students to report to scheduled clinical experiences at the designated time.

1. Recurring tardiness demonstrates a lack of professionalism. Student Clinical Times are evaluated daily by the clinical faculty on duty. Tardy is considered anything after the scheduled start time.
  - a. 1<sup>st</sup> Tardy – No Consequence
  - b. 2<sup>nd</sup> Tardy – Discussion with Clinical Coordinator
  - c. 3<sup>rd</sup> Tardy – Results in Unexcused Clinical Absence
  - d. 4<sup>th</sup> Tardy - 1 % Overall Grade Reduction
  - e. 5<sup>th</sup> Tardy – meeting with Program Director, potential for probation/dismissal
2. Early departure from a clinical site is not allowed. Other obligations should be scheduled around clinical site start and end times. If a student leaves during their scheduled time, it will result in a clinical absence for the entire day.
3. Students are allotted one 30-minute break for a meal; students cannot leave the clinical site campus. Students cannot elect to omit this break in trade of leaving early.

**The Clinical Coordinator will allow a student with extended illness beyond 3 days, to resume clinical duties with acceptable documentation and a plan for make-up days.**

- a. Make Up Clinical Assignments will be
  - b.) Planned, assigned, and communicated with the clinical site or an equivalent clinical experience.

### Student Athletes

Athletes are not to miss class for practice in any sport. If a sporting event results in missed class, it is the responsibility of the student to arrange makeup time/work before the absence occurs. Students must provide a schedule to their course instructor documenting expected absences, at the beginning of the semester. Faculty will meet to approve clinical adjustments.

### *Leave of Absence*

A leave of absence is defined as missing a significant amount of schoolwork, labs, or clinicals that would detrimentally affect the overall course outcome and asking for a reprieve without detriment. Each request is considered on an individual basis. Each request for a leave of absence must be submitted in writing to the Program Director. A leave of absence is not guaranteed due to the limitations of class capacities and the sequential nature of the sonography program.

### **PROCEDURE**

1. Each request needs to be submitted to the Program Director in writing and must include:
  - a. Any requested terms of the leave of absence.
  - b. Provide documentation justifying the requested leave of absence.
  - c. Indicate the length of the requested leave of absence.
2. Each request will be discussed at the earliest availability by the faculty council.
3. Considerations will be given to previous coursework which was successfully completed.

4. The student will be notified in writing of the faculty council decision.
5. The student will be required to complete any of the required materials that are missed during the leave of absence.

### *Academic Probation*

Academic probation is applicable for all PreDMS and DMS classified students. Probationary periods are one academic session (Fall, Spring, Summer 1, Summer 2). Students are notified of Academic probation after the DMS Academic Review Committee has met to evaluate each student's required academic progression.

Students are allowed only 1 academic probationary period for each classification. After the probationary period, students are notified of being removed from academic probation (achieving progression standards) or being dismissed (failure to achieve progression standards).

Probation is recorded and tracked for each student.

1. DMS Lab Year Probation:
  - Allowed one probationary period. Occurs with progression failure of overall GPA of less than 2.7 occurring, but must meet all DMS course 82% requirement
2. DMS Clinical Year Probation:
  - Failure to complete semester required clinical competencies results in one probationary period and counseling with clinical coordinator.
  - A second failure to progress for not meeting the required competencies, students are dismissed from the program and must start the program from the beginning of the lab year sequence.

### *Program Withdraw*

A student wishing to withdraw from the University and/or program must follow all University policies and procedures.

The USF Undergraduate Catalog illustrates the process for course, program, and university withdraws, as well as housing policies on refunds, timetables, and appeals processes. Failure to attend class does not constitute a withdraw. The student may be asked to complete an exit interview prior to departure.

If the student wants to withdraw from the program, they should be in contact with USF faculty appropriate to their current timeline of being an USF student; appropriate contacts may include: Enrollment Specialist, Program Advisor, and/or the Program Director. With any withdrawal, students should consult: Office of Financial Aid, Business Office, and/or the Registrar's Office. All property of the University and/or the program must be returned. All financial obligations must be met.

### *Program Dismissal*

Sonography students in either classification can and will be dismissed from the program for a variety of academic and/or behavioral actions or insubordinations.

#### **Academic Dismissals include:**

- a. Failure to meet the academic standards and progression requirements of the program.
- b. Inability to meet the required technical standards.
- c. Cheating or any type of dishonesty.

- d. Failure to demonstrate progress in the attainment of clinical competencies.
- e. Other scenarios as deemed fit by the DMS Program Director and Dean of the School of Health Sciences

**Behavioral Dismissals include:**

- a. Conduct and behavior which is detrimental to self and others. This includes excessive absenteeism and tardiness.
- b. Unsafe clinical practice.
- c. Denial of a clinical site to offer experiences due to conviction of a felony or misdemeanor found in the criminal background check.
- d. Insubordination to faculty or staff of our clinical affiliates.
- e. Other scenarios as deemed fit by the DMS Program Director and Dean of the School of Health Sciences.

**Immediate dismissals may occur for very serious incidents which demonstrate unethical/unprofessional behavior as outlined by the university, program and profession including but not limited to:**

- a. Gross insubordination
- b. Causing threat to self or others
- c. Disclosure of confidential information
- d. Falsifying student or hospital records
- e. Academic dishonesty
- f. Theft of property
- g. Intoxication of being under the influence of drugs or alcohol during clinical or class hours
- h. Possession of a dangerous weapon

The faculty reserve the right to request the withdrawal from the program of any student whose integrity, health or conduct conflicts with the ethical standards of the profession of Diagnostic Medical Sonography. Students have the right to due process as outlined in the Appeals Procedures of the University of Saint Francis.

**Process of Program Dismissals**

The Academic Review Committee will meet after every term for evaluation.

Non-Academic dismissals will follow the non-academic disciplinary written policy before termination takes place. A grade of “F” will be reported for the course in which the termination occurred.

Dismissal Letters will be sent electronically.

*Program Recycling and Readmission*

**Not Eligible for Recycling or Readmission**

Serious Infractions of the Behavior and Conduct Policy are not eligible for Readmission into the DMS program.

**Eligible for Recycling/Readmission**

1. DMS Lab Year Recycling:

- Occurs with progression failure of not meeting the DMS course 82% requirement
  - o Student must declare option to recycle to Program Director

- Student is only required to repeat DMS courses that did not meet the 82% requirement, but must maintain scanning skills by taking Independent Study Courses
2. DMS Clinical Year Recycling:
    - In the final semester, failure to meet all clinical competency requirements will result in a delay of graduation and continuation of clinical experience for a short period until all requirements meet.
    - Failure to earn a 2.7+ GPA results in one probationary period
      - A Second failure to maintain 2.7 GPA results in dismissal and must start the program from the beginning of the lab year sequence.
    - Failure to get the required 82% or 'P' grade in DMS courses results in dismissal from the program.
      - Students are eligible to reapply to the program one time and can reapply at any time after the dismissal.
      - During the DMS Program Admissions Review, students will be asked to submit an essay, with the following prompt:
        - What have you learned from your prior experience in the USF DMS program that will allow you to be successful in your potential readmission? Please be specific and set a minimum of 3 specific goals for yourself that will detail how you will be successful.
  3. Personal/Voluntary Readmissions are possible for the next open availability in courses/cohorts.

### **Procedure**

Academic and Personal/Voluntary Readmissions must go through the same admissions process as other candidates.

1. Admission subject to clinical placements.
2. Admissions Committee will evaluate the entire academic record, prior clinical assessments, and evaluate for
  - a. Improvements in Study Skills, Academic Competence, Continuous Enrollment, more than minimal Admissions/Progression GPA
  - b. Students may be asked for a skill competency demonstration, knowledge retention test or interview
    - a. DMS Progression Failure in the Professional Sequence – Recycle
      - a. This is only applicable if a student does not meet progression on a single DMS course. If a student does not meet progression requirements in 2 – 4 courses, they are dismissed from the program.
    - b. Students will submit written intent to recycle the following year, within 1 week of their dismissal, which will allow them to remain as a DMS student on probation vs. dismissal from the program.
    - c. Students will maintain general enrollment at USF. They must still maintain all progression standards when on probation.

- d. Students will be required to retake the course that did not meet the Progression Standards.
  - e. DMS Procedure courses that were successfully completed do not need to be repeated, however students will need to participate in lab scanning to ensure clinical readiness before the next semester. This will be accomplished through an Independent Study course with lab requirements. All university tuition and fees are applicable.
3. Successfully completed DMS Courses will be accepted towards graduation requirements if completed at USF in the last 2 years.

### *Non-Academic Disciplinary Process and Dismissal*

#### **Oral Warning**

1. Occurs for a minor infraction of non-academic policies and procedures
  - a. Program faculty member will meet with the student and remind them of the correct behavior and answer questions which the student may have about the incident.
2. A warning of future grade reductions for repeated incidences will be given and this counseling will be documented in the student's permanent file.

#### **Written Warning**

1. Occurs for:
  - a. A second minor infraction of non-academic policies and procedures.
  - b. A serious infraction of non-academic policies and procedures.
2. Documentation of the event will be made, and the student will officially be notified of corrective measures needed. This step can, if deemed necessary, include an automatic grade reduction.
3. Written warnings can occur in didactic, as well as clinical courses.

#### **Removal from Clinical Education**

1. Occurs under certain circumstances for a first-time serious infraction of the program's non-academic policies and procedures.
2. Occurs with repetition of an infraction of a policy for which a student has received a written warning.
3. A written report outlining the reason for removal will be completed by the faculty member.
4. A meeting will be held with the student; prior to the Faculty Council taking disciplinary action.
5. Disciplinary action can result in the student receiving an "F" for the course.

### *Student Records*

#### **DMS Department Records**

The Diagnostic Medical Sonography department maintains student records electronically and are kept confidential and secure. The student file includes directory information, admissions records, programmatic letters, advising materials, grade reports, clinical requirement records, clinical competency records, signed documents, and anecdotal records. All files are maintained for a minimum of 5 years.

Student records are only available to the student and can be accessed with a minimum of 48 hours' notice to a faculty member and when a DMS faculty member is present for interpretation of the file.



The student cannot access portions of their file that contain information about other students, references, recommendations, or similar documents that may carry a voluntary waiver relinquishing the student's right to review this specific material and/or records excluded by the FERPA policy, which would be part of the non-educational record.

The University may disclose limited directory information to potential employers, most commonly including name, address, telephone number, and date of graduation. Students can provide a written request to stop this information to the program director if they so desire.

Student information will be released to USF personnel with a legitimate purpose, accreditation organizations, clinical affiliates for transfer of health records, software and other officials approved by the University of Saint Francis.

Students may provide written request to share their record with another party.

### **University of Saint Francis Records**

Records not specific to the DMS department are maintained by the University of Saint Francis as outlined in the FERPA policy. Official transcripts will be released through the Registrar's office after the student has completed a transcript release form.

## **Student and Clinical Policies**

### *Student Policies*

#### **Student Pregnancy Policy**

Pregnant students have specific considerations when they are a college student, but additional being a student in a sonography program requires set guidelines. It is not mandatory for a student to declare pregnancy to the DMS program. If the pregnant student decides to declare/undeclare pregnancy, it must be done in writing to the Program Director.

The form can be found here: [Voluntary Declaration Form](#)

1. Specific circumstances may require written permission by the student's physician to halt or proceed with the program. This is left to the discretion of the Program Director and Clinical Coordinator.

Students who do not disclose a pregnancy are assuming all risks associated with continuing in the DMS program and progress through the DMS program will not be modified.

The Program faculty will provide timely counseling to the declared student, including:

1. ALARA principles
2. Self-scanning/Unapproved Scanning guidelines
3. A student's options for program completion

#### **Program Completion Options**

1. The student may elect to complete the program with minimal interruptions for both clinical and didactic requirements. This will be arranged and agreed upon by the Program Director and instructors.

2. The student may take a leave of absence for one year. A clinical spot will be reserved for the student for the following year, the student may be asked to provide a scanning demonstration or written exam to observe the students' current abilities.
3. The student may take a leave of absence more than one year. However, the student will be required to reapply to the program. All pre-requisites and co-requisite requirements of the program curriculum must be met. Consideration will be given to previous coursework successfully completed.

***Self-Scanning or scanning by other students or faculty is strictly forbidden in the lab or clinical setting without the proper signed pregnant student scan model form and physician waiver.***

### Student Injury Policy

If a student is injured there is a specific policy regarding the incident occurring on or off campus. All documentation will become a part of the student's permanent record. *All costs are the responsibility of the student whether the injury occurs on campus, off campus, or during clinical experiences.* Students and/or faculty should refer to the COHS policy for guidance.

### On Campus

The student will notify any DMS faculty member or Program Director, and they will follow this procedure:

1. Faculty reports to the Safety and Security Department.
2. Student and Faculty complete an USF Incident Report Form, immediately.
3. Form will be sent to the Security Director and the DMS Program Director.
4. Student will be directed to the appropriate outpatient care or 911 will be called if necessary.

### Off Campus

The student will notify the USF Clinical Instructor immediately. The site clinical preceptor and/or manager should also be notified. Students must follow all policies and procedures of the Clinical Site or other location they are at. Utilize emergency services if necessary.

1. The Clinical Instructor will communicate with the Clinical site to ensure all appropriate reporting is completed at the Clinical site.
2. The Clinical Instructor will complete the USF Report of Student Injury form immediately and forward a copy to the DMS Program Director.

### Student Needle Stick/Blood or Body fluid exposure

Immediately wash the area of injury with soap and water, flush splashes to nose, mouth or skin with water or irrigate eyes with clean water, saline, or sterile irrigant per the Center for Disease Control and Prevention.

1. Follow all procedures and policies of the facility of occurrence.
2. Report for treatment within one hour (minimally within 24 hours) of exposure and notify faculty or program director within 24 hours.
3. Student should go to the nearest emergency department or urgent care clinic for treatment.

4. Student should receive counseling about transmission of HBV, HCV, and HIV and post-exposure prophylaxis (PEP).
5. The student is responsible for obtaining initial screening and any follow-up screening appointments.
6. *All costs associated with the screening and treatment are the responsibility of the student.*
7. Faculty member and student complete the appropriate report for the clinical affiliate and the COHS *Report of Student Injury*. A copy of the form will be retained.

Non-contaminated needle sticks are treated at the clinical affiliate as needed.

### Student Health Insurance

Students are required to maintain health insurance during the entirety of the time they spend in clinical courses, as mandated in agreements between USF and Clinical Affiliates.

Students are required to sign the verification of health insurance form during DMS program orientation. If a student does not have insurance, they can contact the Office of Student Affairs or the DMS program director for assistance on where to find health insurance.

### Student Representatives

A student from each campus of the cohort will be selected to be a representative of the students. Faculty will submit nominations and students will provide a majority vote affirmation. Student representatives will be in place by mid semester of the first fall semester (lab year) of the professional sequence.

### Student Representative Qualifications

Student representatives are expected to possess specific characteristics, such as

1. Objectivity – be able to view situations from various viewpoints, to aid in optimal solutions.
2. Empathetic, Franciscan focused, tactful, diplomatic, sincere, dependable, responsible, honest, and concerns for best interest of the students, faculty, the DMS program, and the University of Saint Francis.
3. Strong leadership qualities.

### Student Representative Responsibilities

1. Act as a liaison between program administration/faculty and members of their respective campus cohort.
2. Act as a representative of the cohort presenting problems and concerns.
3. Organize projects or activities regarding the campus cohort.
4. Be involved in appropriate decisions of the faculty.
5. Attend faculty or program meetings by invitation or request.
6. Attend minimum of one DMS Advisory Council Meeting a year.

## Student Dress Code Policy

As a professional, the appearance of any sonography student should be maintained whether online, on campus or in the clinical setting.

Each person perceives their appearance differently; however, the ultimate decision as to the appropriateness of the student's professional image will be determined by the DMS Program faculty.

USF uniform attire is not to be worn at outside places of employment.

Online courses require complete dressed attire for any time spent live or recorded.

### Lab and clinic dress attire is the same, as follows:

1. Smart Watches are not allowed.
2. Scrubs:
  - a. Must be always worn in the lab and clinical setting.
  - b. Must be all black in color.
  - c. Any brand is allowed and can be purchased anywhere.
  - d. Not Allowed: any part with mesh material or jogger style pants
3. USF DMS Jacket:
  - a. Jackets can only be purchased through the USF bookstore, the jacket must be black in color, have the university seal and program name on it.
  - b. Required to be worn in the clinical setting.
4. Shoes:
  - a. \*Variation in lab to clinic for shoes is allowed.
    - a.) Lab: Any sneaker can be worn
    - b.) Clinic: Mostly all black or white shoes must be worn, minimal amounts of gray/white/black allowed, but no other colors
  - b. Must be closed toe and closed heel for both settings
5. Other:
  - a. A short or long sleeve t-shirt can be worn under the scrubs.
    - a.) Must be black or white
    - b.) No graphics can be visible
  - b. Student ID Badge is to be always worn in the clinical setting.
  - c. Jewelry
    - a.) No costume jewelry allowed
    - b.) Only conservative wrist watches and/or a minimum number of rings allowed
    - c.) Post/Stud earrings in gold, silver, black or white are allowed, no dangle earrings
  - d. Personal Hygiene/Appearance
    - a.) Must be professional and immaculate
    - b.) Cosmetics are to be daytime appropriate
    - c.) Clean fingernails at a moderate length
      1. No Acrylic
      2. Clear polish only, no colors *in the clinical setting only*
    - d.) Hair securely pinned back, off shoulders

1. Headbands permitted if thin and are white/black in color only; no scarves, ribbons wide, sparkles are allowed
- e.) Facial Hair kept neatly trimmed
- f.) No chewing gum
- g.) No perfume, cologne, or highly fragranced lotion allowed
- h.) Un-natural hair color is not allowed (pink/purple/blue/green)
- i.) Visible tattoos may be required to be covered *in the clinical setting only*
- j.) Facial piercings must be removed *in the clinical setting only*

### Failure to comply

If students do not come to lab in the appropriate scrub attire and appearance, it can result in a grade reduction. Students will be given a written warning first.

Any student reporting to the clinical affiliate not dressed according to the policy will be asked to leave, an unexcused absence will be recorded, and a grade reduction will occur.

### Open Labs and After Hours Access

Students are not permitted to access a DMS lab after standard lab and open lab hours, unless arranged with the course instructor or program director. This is to ensure the safety of students, scan models, and the equipment.

### Open Labs

Each Campus will offer open lab time. This is access to the sonography lab outside of your scheduled labs. These are available for you to spend time practicing with the equipment or using the Sonosim. **\*You will log your time spent in open labs using eValue.**

1. DMS Open Labs are recorded to ensure proper use and safety.
2. Abuse of open lab time includes, but is not limited to
  - a. Inappropriate Scanning, scanning on people with no Volunteer Consent on file
  - b. Damaging or breaking equipment: purposefully, through acts of carelessness, or intentional misuse.
  - c. Utilizing the Lab for anything other than sonography studying and scanning practicing.
3. The DMS program will issue consequences of lab misconduct and misuse on a case-by-case basis.
  - a. Consequences can result in loss of additional open lab access beyond the standard available, assignment reduction, and/or removal from the program.

### Student Scan Model Policy in Lab

Sonography's relatively safe bioeffects allow for volunteers to be utilized in the lab setting. This policy encompasses all DMS students, as well as other programs who will be involving sonography into their curriculums, faculty, and staff.

DMS students are not required to be a student scan model, but if they wish to be a scan model during their time in the DMS program they are required to sign the DMS Volunteer consent form. Additionally, students will sign the COHS form for Participation consent.

If a student who is pregnant would like to be a volunteer scan model, they must sign an additional Obstetrics Release form. All aspects of this form must be completed, including having a completed diagnostic sonogram and the student's attending physician must sign off on the student being a scan model.

All forms will be kept in the student record for a minimum of 5 years.

All consents are enacted until a student graduates, or withdraws their consent, which can be done at any time.

DMS faculty retain the right to withdraw an individual from being a volunteer.

### Incidental Findings Policy

The USF sonography lab does not function as a diagnostic imaging center. Meaning, the scanning that is performed is for educational purposes only. There are no physicians reading or diagnosing the images taken. Images taken are not stored as part of a medical record.

Since this educational process allows scan models in the sonography lab, there is a possibility of an incidental finding. An incidental finding is defined as an unexpected and/or unknown sonographic finding. It can be a normal variant or a pathological and clinically significant finding.

Volunteer scan models assume the risk of an incidental finding. The University of Saint Francis, College of Health Sciences, Diagnostic Medical Sonography Program, nor any advisors, instructors, or faculty associated can be held liable for reporting or not reporting an incidental finding.

USF Sonography will not provide any type of imaging for the scan model, their physician, or any other requesting person. There will not be medical records kept of any kind. The sonography department reserves the right to retain images for educational purposes only.

There is no liability on the scan model, student, faculty, program director, medical advisor, or the program for relaying information to any medical professional.

### **Student Procedure:**

If a student is scanning and suspects an incidental finding, they will privately take the concern to the lab instructor.

### **Faculty procedure:**

If a student brings an incidental finding concern to a faculty member, they will evaluate the student's finding themselves.

The faculty member will privately discuss the concern for the incidental finding with the scan model. Follow up or lack of follow up is the sole responsibility of the scan model.

The faculty member must notify the Program Director of any Incidental Findings.

***The Scan Model assumes full responsibility for determining a course of action in the event of an incidental finding, following up on an incidental finding and all costs associated with an incidental finding.***

### *Clinical Policies*

This is an overview of important information and policies pertaining to the clinical setting. Further detailed policies and information will be provided to each student during the clinical orientation process.

#### Clinical and Observation Sites

The following is a list of clinical affiliates that students may be required to go to for clinical experiences. We are continually in communication with clinical partners; therefore, this is not an exhaustive listing.

#### **Fort Wayne Campus Students:**

- Adams Memorial Hospital
- Bluffton Regional Medical Center
- Lutheran Hospital
- Medical Office Building – Imaging
- The Imaging Center
- Lutheran Downtown Hospital
- Dupont Hospital
- Dupont Free Standing Imaging Centers – Fort Wayne, Auburn
- Kosciusko Community Hospital – Lutheran Health Network
- Fertility and Midwifery Care Center
- Veteran’s Affairs Hospital
- Parkview Regional Medical Center
- Parkview Randallia
- Parkview Huntington
- Parkview Warsaw
- Parkview Noble
- Parkview Whitley
- Parkview Dekalb

#### **Crown Point Campus Students**

- Franciscan Health Crown Point
- Franciscan Point
- Franciscan Health Michigan City
- Franciscan Health Dyer
- Franciscan Health Munster
- Franciscan Health Rensselaer
- Franciscan Health Lafayette
- CHS St. Catherine’s
- CHS Stroke and Rehab Hospital
- CHS Non-Invasive Cardiology

#### Clinical Schedules

The standard student clinical site assignment will include three sites. A standard clinical experience will last for the entirety of the summer, fall, or spring semester.

The DMS Clinical Coordinator will assign students to clinical affiliates based on the requirements needed to fulfill programmatic expectations and student progression, such as number and types of exams and/or patient population.

Exceptions to the three-site standard may be implemented to ensure students are meeting all requirements and/or to allow for additional experiences if all requirements are met. This will be at the discretion of the clinical coordinator.

Clinical schedules will be provided to each student when the schedules are finalized and confirmed. It is the intention of the program to give adequate notice, however, there may be times this is out of the control of the DMS Program and/or Clinical Coordinator.

### Technical Standards

The University of Saint Francis has identified technical standards that must be met by students to successfully progress in and graduate from its health science programs. These standards establish performance standards that will enable students to become competent practitioners who are able to provide safe care for their patients (persons, families and/or communities) with critical judgment, broadly based knowledge, and well-honed technical skills.

These Technical Standards outline skills, abilities and behavioral characteristics required to successfully complete healthcare programs at the university. Key areas include having abilities and skills in the areas of:

1. Acquiring fundamental knowledge
2. Developing communication skills
3. Interpreting data
4. Integrating knowledge to establish clinical judgment
5. Incorporating professional attitudes and behaviors into practice

The university provides reasonable accommodations to all students on a nondiscriminatory basis and consistent with legal requirements as outlined in the Rehabilitation Act of 1973, the Americans with Disabilities Act (ADA) of 1990 and the ADA Amendments Act of 2008. A reasonable accommodation is a modification or adjustment to an instructional activity, equipment, facility, program, or service that enables a qualified student with a disability to have an equal opportunity to fulfill the requirements necessary for graduation from the program.

To be eligible for accommodations, a student must have a documented disability of

1. A physical or mental impairment that substantially limits one or more major life activities of such individual
2. A record of such impairment
3. Be regarded as having such a condition

**ACCOMMODATIONS STATEMENT:** Any student who may require class or test accommodations based on the impact of a documented disability should review information on My Cougar Connection regarding accommodations. Additionally, information is in each course syllabus. Geneva Burgess is the USF Coordinator of Student Disability Services at all campuses. She can be reached by: Office: 210 Pope John Paul II Center, Phone: (260)399-7700 ext. 6075 or email: [gburgess@sf.edu](mailto:gburgess@sf.edu).



The student is responsible for communicating accommodations with the instructor to utilize those accommodations. More information regarding registering for services and documentation can be found at [Accessibility Services](#). **\*This information pertains to any course, not just Clinicals.**

**Acquiring fundamental knowledge:** Students must be able to learn in classroom and other educational settings via lectures, demonstrations, review of research and patient care situations. Students must have the ability to find sources of knowledge, acquire the knowledge, be a life-long learner and demonstrate adaptive thinking.

**Developing Communication Skills:** Students must have the ability to effectively communicate verbally, nonverbally, in writing, with groups and using information technology. Students must be able to interact appropriately with patients (persons, families and/or communities), peers, and with all members of the health care team. Students must be able to interpret and convey information gathered from communications. They must be able to speak, read and write in English.

**Interpreting Data:** Students must have the ability to measure, calculate, reason, analyze and synthesize data in a timely manner. They must successfully fulfill examination requirements of the program, including written and practical examinations. Students must have the ability to (1) observe patient conditions and responses to health and illness, (2) assess and monitor health needs, (3) translate data into abstract concepts, and (4) understand evidence-based reasoning.

**Integrating Knowledge to Establish Clinical Judgment:** Students must demonstrate critical thinking, problem-solving and decision-making, an ability needed to care for individuals, families and/or communities across the health continuum. They must demonstrate clinical competency and the ability to participate in clinical experiences. Students must possess sensory capacity and motor function to gather patient data, perform patient assessment and implement therapeutic interventions.

**Incorporating Professional Attitudes and Behaviors into Practice:** Students must demonstrate cross cultural competency, integrity, moral reasoning, ethical behaviors, and concern for others. They must have the ability to acquire interpersonal skills for professional interactions with diverse individuals, families and/or communities. They must be able to work cooperatively with intra and inter professional teams, adapt to changing environments inherent in clinical practice, and function effectively under stress.

### Clinical Requirements for Clinical Activity

Clinical Affiliates have specific requirements that we must enforce student compliance for the student to participate in clinical experiences.

Any student who does not have the specified requirements met by the due date, will be withdrawn from the program courses.

All requirements will be due in the Spring semester of the lab year, specific due dates will be communicated to students at a later date.

### Requirements

#### **Facility Orientation Materials –**

Each facility will have specific requirements that a student must complete either before or during their first time at the facility.

### **Background and Driving History Checks –**

These will be completed through the Castlebranch application. Students will need to meet with the clinical coordinator and/or program director for any compliance concerns resulting from these checks. Concerns resulting from these checks can also impact a student's ability to become a credentialed sonographer and should be addressed at the earliest opportunity.

If a student has an occurrence during the program that might present on the background or driving history checks, they should inform the clinical coordinator and/or program director at the earliest opportunity to ensure the student clinical and credentialing experiences can be maintained.

### **Driver's License –**

Facilities require a valid driver's license to be kept on file.

### **Physical Exam –**

A completed physical exam is required. The USF Health Form must be signed and dated by a healthcare practitioner at the time of the physical exam. The student is responsible to present the required health form at the time of their physical examination. The student is responsible for scheduling and paying for the physical. Students will be notified of any missing information. Students should communicate any health conditions that may affect the safety of self or others to a faculty member, in order that the program may help the student maximize their learning experiences. All information will be kept in the strictest confidence.

### **Immunization Profile -**

Students must submit a current verification of their immunization profile. This information is to be included on the USF Health History Form. If unknown immunization status, titers can be drawn to provide this information. Required immunizations include:

1. Measles, Mumps, Rubella
2. Varicella
3. Tetanus and Diphtheria
4. Hepatitis B
5. Covid 19
6. Annual Flu Shot

For medical or religious exemptions, students will be required to meet with their clinical coordinator to understand the scope of vaccination declination and the appropriate processes.

### **TB Testing –**

TB (Tuberculosis) testing is required in completion and with proper documentation from a healthcare practitioner. If a student tests positive from the TB test, they must see their physician for a follow up Chest X-ray and clearance to participate in clinical experiences, and subsequently provide the proper documentation. Students will also need to submit a Positive TB Reactor form from USF.

### **CPR Certification –**

Students must obtain and hold current a CPR certificate with BLS for Healthcare providers (adult, child, infant, and AED). Students are required to renew if this expires during the clinical courses. Known CPR opportunities will be communicated with students, but this is not required to be completed from USF.

### **OSHA Respirator Fit Testing Certificate -**

Respirators are a face mask that is meant to fit tightly to the face for personal safety from infectious disease. Students are required to complete a fit testing to determine their appropriate size of respirator. Each student must submit this certificate as part of clinical requirements.

### **Health Insurance –**

Students are required to carry health insurance. If a student needs assistance in obtaining insurance, they should contact the DMS program director.

### **Signed Documents –**

There are specific documents that students are required to sign for participation in the clinical experience. Some forms will be signed electronically, and some will be signed on paper. These include:

1. COHS Clinical Requirements and Technical Standards Form and Informed Consent
2. COHS Student Acknowledgement Form
3. Any additional forms as required by specific clinical sites

### **CastleBranch**

The College of Health Sciences is partnered with CastleBranch for the submission of requirements for clinical participation. This will provide means for drug testing, background checks, and compliance tracking of clinical requirements.

CastleBranch costs are incurred to the student at the time of account creation. All required submissions are the sole responsibility of the student to maintain compliancy and progression in the program. First time user costs are approximately \$150.00 but are subject to change per CastleBranch. This will be required for all Lab Year Students, those in the first year of the cohort.

### **Confidentiality of Patient Information**

Upholding federal laws and medial ethical guidelines by maintaining the confidentiality of patient information is vital for all those in the healthcare community, inclusive to the role of a student and/or faculty member.

Confidentiality of all patient information must always be maintained. Access to patient information is available to students only for research of patient assignments, provision of care, or for requirements of accreditation. Information accessed via the computer should be carefully protected. Patient charts must not be removed from a facility and no part of the chart may be electronically reproduced or photocopied. Students researching patient assignments are to access only patient records of patients assigned to them. Each student is responsible to maintain confidentiality of all patient information obtained in any clinical affiliate location with which the University of Saint Francis maintains a clinical education relationship and within the university itself.

Students will receive information regarding the Health Information Portability and Accountability Act (HIPAA) regulations and the confidentiality of protected patient health information prior to clinical experiences. Patient initials only should be used to identify patients in written assignments. No personal identifiers should be used to identify patients in written assignments.

Personal identifiers specified by HIPAA include address, account number, any vehicle or device serial number, certificate/license number, date of birth, E-mail address, Fax number, finger or voice prints, health plan, Internet Protocol address number, name, name of employers, name of relatives, photographic image, postal address, social security number, telephone number, web universal locator (URL).

Each student will sign a Student Confidentiality Statement during DMS Program Orientation.

### Standard Precautions

DMS Students must have a clear understanding of Standard Precautions. These techniques are fundamental healthcare and provide protection to the student and patient from exposure to potentially harmful body substances. These will be discussed throughout the program curriculum but will also be specifically detailed in clinical orientation.

### Communicable Diseases

Students and faculty must comply with the Center for Disease Control's recommendation of "Universal Precautions/Body Substance Isolation." Students will be instructed on "Universal Precautions/Body Substance Isolation" prior to patient contact in the clinical setting. Students will likely be assigned to care for patients with communicable diseases, such as HIV-positive or COVID 19 patients, during clinical experiences. Refusal to care for patients with communicable diseases is contrary to the ethics of professional health care providers. Students who refuse to care for patients these patients will be counseled by DMS program faculty. Such a refusal will be reflected in the student's clinical evaluation and may result in dismissal from the program.

Faculty are expected to serve as role models for students by maintaining current knowledge about communicable diseases and demonstrating compassionate care for all patients.

The health status of students who are themselves immunosuppressed, whose skin is not intact, who are pregnant, or who have transmissible infection will be considered prior to clinical assignments. It is the student's responsibility to inform the clinical instructor when above conditions are present. Such circumstances will be handled on an individual basis in determining if the student can fulfill the expected student role of a clinical experience.

The University of Saint Francis will not discriminate against any student based on the perception that he or she is infected or at risk for infection for any communicable disease, including HIV positive students. Students who are infected with HIV will be counseled to insure adequate knowledge of disease transmission and of their own risks due to immunosuppression. Confidentiality, according to Indiana law, will be maintained in connection with all reporting, counseling, testing, and record keeping regarding any individual's exposure and/or infection with communicable diseases.

Students experiencing exposure to potentially infectious blood or body fluids must contact their clinical coordinator immediately and comply with the College of Health Sciences student injury procedure.

In the event exposure occurs during a clinical experience at an outside agency, the student must follow that agency's protocol in addition to reporting to their clinical coordinator.

#### Student Scan Model Policy in Clinic

DMS students are not required to participate by being a scan model; however, when opportunities arise, they are permitted to participate in scanning for educational purposes following the guidelines appropriate to each clinical affiliate.

**USF DMS students are not permitted scan sensitive body parts without physician's order at any time.**

**USF DMS students are not permitted to have sensitive body parts scanned without a physician's order at any time.**

## Registered Sonographer and Professional Organizations

### *Professional Registry*

The registry is the collection of people who have obtained certifications in sonography. Certifications are received by passing examinations.

What does it mean to be registered or have certifications?

1. You have shown a commitment to the sonography industry by having education, clinical experiences, and have passed exams.
2. You have credentials that are recognized internationally.
3. You are meeting a standard expectation that employers look for in candidates.

There are multiple organizations that you can earn certifications from. The USF Sonography program will focus on the following two:

**The American Registry for Diagnostic Medical Sonography (ARDMS) provides numerous options for RDMS (Registered Diagnostic Medical Sonographer) credentials, of which our focus will be:**

1. Sonography Principles and Instrumentation (SPI) Exam – Required for all certifications  
AND One of the Following to earn the RDMS credential
2. Abdomen Extended Exam - RDMS (AB) credential
3. Obstetrics and Gynecology Exam - RDMS (OB/GYN) credential

**Additionally, the ARDMS provides RVT (Registered Vascular Technologist) credentials**

1. Vascular Technology Exam – R (VT)

**American Registry of Radiologic Technologist (ARRT) provides 2 options for certification.**

1. Sonography Exam – ARRT (S) credential
2. Vascular Sonography Exam - ARRT (VS) credential

#### Pathways to Certification

**ARRT Requirements to be eligible to sit for the certification exam(s).**

1. Earn a Minimum of an associate degree
2. Complete an ARRT Approved Sonography Program
3. USF is Accredited by the Higher Learning Commission (HLC), which is ARRT approved
4. Met Ethics Requirements
  - a. Can contact the ARRT Ethics Requirements Department at 651-687-0048 for questions or go through a preapproval process.

**ARDMS Requirements to be eligible to sit for any of the certification exams have multiple options, applicable options only are listed here.**

1. SPI Exam
  - a. Transcript reflecting a Higher Education Physics Course with a grade of 'C' or above.
  - b. Government Issued Photo ID with signature and exact name matches.
2. Specialty Exams – RDMS
  - a. ARDMS Prerequisite 2
    - i. A graduate or currently enrolled student in a higher education diagnostic medical sonography program that is specialty accredited by the Commission on Accreditation of Allied Health Education (CAAHEP).
    - ii. Programs can use Prerequisite 2 Paperless Application for students to apply for exams up to 60 days prior to graduation.
    - iii. Official transcript/Program Director signed ARDMS letter indicating expected graduation date.
    - iv. Government issued photo ID
  - b. ARDMS Prerequisite 3A
    - i. Bachelor's Degree in any major.
    - ii. 12 Months Fulltime documentation of clinical/vascular experience (completing the USF DMS program fulfills this).
    - iii. Official transcripts
    - iv. Official ARDMS letter from the Program Director.
    - v. Signed Clinical Verification Form
    - vi. Government issued photo ID
  - c. ARDMS Prerequisite 5
    - i. Active Credentials from ARRT in Sonography or Vascular Sonography only
    - ii. Signed Clinical Verification Form
    - iii. Government issued photo ID

### Professional Compliance

The ARDMS mandates compliance with ethical and professional behaviors. The following may be considered a violation of the ARDMS compliance policies and may prohibit your ability to become a registered sonographer. If you are in violation of a compliance policy, it is pertinent to address the issue now and attempt clearance from the organization upfront.

“Compliance Violations. The following may be considered violations of the Compliance Policies:

1. Misrepresenting ones' certification/certificate status, including altering or falsifying in any way any document or material issued by ARDMS.
2. Misrepresenting ones' certification/licensure status with a state licensing board, state or federal agency, national professional association, or accrediting body.
3. Attempting to engage or engaging in fraud, misrepresentation, deception, or concealment of a material fact in connection with obtaining or renewing certification or recertification from ARDMS on one's behalf or on behalf of another. [Altering or falsifying in any way any eligibility documentation relating to an ARDMS examination.](#)
4. [Subverting or attempting to subvert the examination process](#), including, but not limited to:
  - a. Engaging in conduct that violates the confidentiality or security of examination materials, such as removing or attempting to remove examination materials from an examination room, or having unauthorized possession of information concerning a current, future or previously administered examination.
  - b. Disclosing information concerning any portion of a current, future or previously administered examination; this includes, but is not limited to, disclosures to students in educational programs, graduates of educational programs, educators, anyone else involved in the preparation of Candidates to sit for the examinations, or examination development participants.
  - c. Conduct that in any way compromises ordinary standards of test administration, such as communicating with another Candidate during an examination, copying another Candidate's answers, permitting another Candidate to copy one's answers, possessing unauthorized materials, receiving information concerning any portion of a current, future or previously administered examinations.
  - d. Impersonating a Candidate or permitting or otherwise assisting an impersonator to take the examination on another's behalf or on behalf of another.
5. [Criminal conduct, as described below](#):
  - a. Having been charged in a criminal proceeding where:
    - i. [A finding or verdict of guilt is made or returned but where the adjudication of guilt is withheld, deferred, or not entered or the sentence is suspended or stayed, or](#)
    - ii. [where the individual enters into a pretrial diversion activity; or having been convicted of a crime, including a felony, gross misdemeanor, or misdemeanor, other than a speeding or parking violation. Being convicted of a crime includes, but is not limited to, being found guilty, pleading guilty, or pleading nolo contendere \(no contest\).](#)
6. Having been subject to a Special or General Military court-martial.
7. Having been the [subject of disciplinary action by a state licensing board, state or federal agency, national professional association, or accrediting body.](#)
8. [Performing clinical duties while impaired](#) due to chemical (legal and/or illegal), drug or alcohol abuse.
9. Engaging in conduct likely to deceive, defraud, or harm the public; or demonstrating a willful or careless disregard for the health, welfare, or safety of a patient.
10. Having been adjudicated as mentally incompetent, mentally ill, chemically dependent, or dangerous to the public, by a court of competent jurisdiction.

11. Failure to report to ARDMS within fourteen (14) days involvement in any of the situations described in Sections 1.1 through 1.10. Such failure includes, but is not limited to, a failure by an Applicant, Candidate, Individual or Registrant/Certificant who has previously undergone the compliance review process to immediately report to ARDMS any additional situations described in 1.1 through 1.10 except as provided by Section 2 (Reporting of Compliance Violations).
12. Failure to cooperate with ARDMS in investigations of alleged compliance violations as described in this section, including but not limited to the following:
  - a. Making a false statement, knowingly providing false information, and/or failing to disclose material information in connection with a compliance action situation; or
  - b. Failing to provide information as requested, including but not limited to information regarding:
    - i. Test security violations and/or disclosure of confidential examination material content
    - ii. Misrepresentations by an Individual, Applicant, Candidate or Registrant/ Certificant regarding his/her credential(s)/certificate status
    - iii. The unauthorized use of intellectual property, certification marks, and other copyrighted materials
    - iv. Compliance action situations.
      1. An individual who takes longer than thirty (30) days to respond to a request will be deemed to have not acted in a timely manner.”

- [Compliance-Policies-ARDMS.pdf](#)

**\*It is pertinent to contact the program director if you have any questions or concerns regarding compliance. Any legal ramifications except for speeding or parking tickets, must be reported to the program director for determination of necessary clearance to sit for certification exams. Requesting clearance can be a lengthy process.**

The standards listed here are for the ARDMS as this is our primary credentialing body. In discussion with the program director, ARRT compliance would be reviewed as well.

#### State License

Some states require you to become licensed in addition to your national credentials. These states are New Hampshire, New Mexico, North Dakota, Oregon.

#### *Professional Organizations*

Professional Organizations are in place to promote, advance, and educate their members. They provide resources, training, continuing education, ethical standards, standards of practice, research and more.

1. Society of Diagnostic Medical Sonography
  - a. Memberships for sonographers, physicians, and others
  - b. Student memberships: [Student Benefits \(sdms.org\)](#)
2. American Institute of Ultrasound in Medicine
  - a. Memberships for sonographers, physicians, and others
  - b. Student memberships: [AIUM Memberships \(aium.org\)](#)
3. Society for Vascular Ultrasound



- a. Memberships for sonographers, facilities, and more
- b. Student memberships: [Student - Society for Vascular Ultrasound \(svu.org\)](http://svu.org)