

B.S. IN MEDICAL IMAGING AND RADIATION SCIENCES - SONOGRAPHY ADVISEMENT WORKSHEET 2022

University of Oklahoma College of Allied Health

University of Central Oklahoma

Health Professions Advisor

Department of Biology

200 Howell Hall

(405) 974-5733

While pursuing a degree at UCO, the following courses must be completed with a “C” or better to qualify for admission to the Sonography Program:

UCO Courses That Meet Required Courses for OUHSC (check all course prerequisites):

MATH 1513	College Algebra OR MATH 1453 Applied Algebra
PSY 1103	General Psychology
ENG 1113	English Composition
ENG 1213	English Composition & Research
HIST 1483	U.S. History to 1877 <u>OR</u> HIST 1493 U.S. History from 1877
POL 1113	American National Government
BIO 2102	Bio & Med Terminology
CHEM 1103	General Chemistry I
CHEM 1112	General Chemistry I Recitation/Lab
BIO 2504	Human Anatomy & Lab
BIO 2604	Human Physiology
BIO 2604L	Human Physiology Lab
BIO 1204	Biology for Majors: Principles
BIO 1211	University Life Sciences Lab
PHY 1114	General Physics I & PHY 1114L General Physics I Lab
UCOL 1523	“Gateway to Belonging at OU” course only offered at OU (The MIRS Department recommends completing this requirement prior to admission to OUHSC).

Additional General Education Requirements*:

Artistic Form (3 hours)

Western Culture (3 hours)

Non-Western Culture (3 hours)

Foreign Language (2 HS Years or 2 College Semesters)

Upper Division General Course (One 3 hour 3000 or 4000 Level)

The upper division general ed course if it is in one of the categories (Artistic Form, Western Culture, Non-Western Culture) can also count for that category. The best way to find a course that satisfies the OU Artistic Form, Western Culture, and Non-Western Culture requirement at UCO is by using the Equivalency Tool. Please visit: <https://sis.ou.edu/ted/> or contact the UCO pre health advisor.

*These courses are waived for applicants who have earned a Bachelor’s Degree.

ADMISSION REQUIREMENTS:

Admission to the program requires completion of prerequisite course work and submission of all application materials. Successful completion of minimum admission requirements does not assure that an interview will be granted. Interview invitations do not insure acceptance to the program. The application deadline is **March 1st** for admission to the next class which begins the following June. To be considered for admission to the Medical Imaging and Radiation Sciences – Sonography program an applicant must:

1. Have successfully completed, or be in the process of completing a minimum of sixty four (64) semester hours of coursework from an accredited college or university prior to admittance to the program.
2. Have successfully completed all prerequisites with grades of “C” or better prior to the application deadline.
3. Be in good standing with the college or university last or currently attending.
4. Have a minimum grade point average of 2.5 on a 4.0 scale for all college work attempted.
5. Earn a minimum score of 600 (paper based) or 100 (internet-based) within two years prior to application on the Test of English as a Foreign Language (TOEFL) if English is the second language. (<http://www.toefl.org>)
6. If an international/Non US Citizen Applicant you are required to have all transcripts/mark sheets from foreign institutions evaluated by World Education services (WES) (<https://www.wes.org/>).
7. Submit official transcripts from all college and/or universities attended and a non-refundable application fee
8. Submit a completed online application (<http://alliedhealth.ouhsc.edu/ProspectiveStudents/ApplyingtoaProgram.aspx>). Application deadline is March 1st for summer admission. All official, sealed transcripts and TOEFL scores (if applicable) must be received by the application deadline. Late transcripts and test scores may result in an automatic denial.

The program begins in the summer of every year and consist of 68 semester hours or sequenced and integrated didactic and clinical courses. Students complete clinical assignments in selected hospital and clinic facilities located throughout the Oklahoma City and

Tulsa metropolitan areas. Program faculty determine student assignments to clinical rotation sites based upon each student's abilities, past performance, and clinical education needs. Upon successful completion of the program, the student is eligible to apply to the American Registry of Diagnostic Medical Sonography to sit for the certification examinations in abdominal, obstetrical, gynecological, vascular, and cardiac sonography.

APPLICATION PROCEDURE:

1. Review and follow the instructions for application to the College of Allied Health. (<http://alliedhealth.ouhsc.edu/ProspectiveStudents/ApplyingtoProgram.aspx>)
2. Application Review: Applicants who have fulfilled the admission requirements will be scheduled for an interview with the Medical Imaging and Radiation Sciences Committee. Applicants are accepted into the program based on scores derived from these areas:
 - a. Cumulative GPA
 - b. Science GPA
 - c. Career Goal Statement
 - d. Written Interview
3. Students accepted for admission are required to confirm their intention to enroll and attend by paying a non-refundable deposit on enrollment. The deposit is applied toward tuition and feed during the first term.
4. To expedite the application process, all applicants are required to attend the MIRS Orientation/Interview session (<https://alliedhealth.ouhsc.edu/Prospective-Students/Academic-Programs/BS-in-MIRS-Sonography#13880185-the-selection-process>). This session will only be held at the OKC campus.

A recently admitted class had the following academic averages: 62 Applied / 22 Admitted / 3.62 avg. Cumulative GPA / 3.42 avg. Science GPA / Last 60 hrs. Avg. GPA =3.65 / Avg. Interview Score =87%

Pre-Medical Imaging & Radiation Sciences – Sonography Program

A sonographer is a healthcare professional who specializes in the use of ultrasonic imaging devices to produce diagnostic images, scans, videos or three-dimensional volumes of anatomy and diagnostic data. Sonography requires specialized education and skills to acquire, view, analyze, and optimize information in the image. Due to the high levels of decisional latitude and diagnostic input, sonographers have a high degree of responsibility in the diagnostic process. Many countries require medical sonographers to have professional certification. Sonographers have core knowledge in ultrasound physics, cross-sectional anatomy, physiology, and pathology. Given that there are so many uses of ultrasound, sonographers usually specialize in one or two areas of the body, such as the abdomen, breast, urology, musculoskeletal system, or obstetrics and gynecology. They direct the ultrasound waves to the region under examination via a handheld device known as a transducer. Sonographers must be tech-savvy enough to apply this sophisticated technology to manipulate and optimize the images, yet also be personable enough to put patients at ease who might be nervous or uncomfortable. These professionals use their own judgment and understanding of pathology to record images that represent possible abnormalities. What looks like a grainy image to the rest of us provides a wealth of valuable information to a skilled sonographer. Most sonographers (about 60 percent) work in hospitals. Often, hospital-based sonographers will get rotations of being on-call, which means they will have to be ready to return to the hospital at any hour of the night, weekend, or holiday if an emergency ultrasound is needed. Most other sonographers work in doctors' offices, diagnostic facilities and outpatient centers where the hours are predictable and shifts can be anywhere from a few hours a week to full-time work, depending on the job.

Opportunities: The U.S. Department of Labor's Bureau of Labor Statistics has projected employment prospects for Sonographers to grow 19 percent from 2018 – 2028, much faster than the average for all occupations. Diagnostic imaging personnel who are certified are expected to have the best job opportunities. Those certified in more than one specialty are expected to find even greater job opportunities.

Starting Salaries: According to the Bureau of Labor Statistics, the national median salary for Sonographers is approximately **\$75,920**.

For more information about Medical Sonography visit: (<http://www.sdms.org>); (<http://www.bls.gov/ooh/healthcare/diagnostic-medical-sonographers.htm>); (www.ardms.org/Pages/default.aspx)

Department of Medical Imaging and Radiation Sciences Contact: Robin White – Admissions coordinator – (405) 271-6477 (Ext 41170) – robin-white@ouhsc.edu

For additional information, please visit: <https://alliedhealth.ouhsc.edu/Departments/Medical-Imaging-and-Radiation-Sciences/Sonography>