



# DIAGNOSTIC MEDICAL SONOGRAPHY

## BACHELOR OF SCIENCE

For more info see [KC.edu/sonography](http://KC.edu/sonography)



### About the Profession

Diagnostic medical sonography uses sound waves (ultrasound) to produce both 2D and 3D dynamic images of tissue, organs, and blood flow inside the human body. The sonographer, a highly skilled advanced imaging specialist, uses sophisticated equipment to master the art of scanning. Sonographers work closely with physicians to provide accurate detection of disease and the highest-quality patient care.

### About the Degree

Areas of diagnostic medical sonography specialization are all available in a single bachelor's degree curriculum at Kettering College. Our graduates are well-suited to work in any sonography specialty and have the comprehensive education required to become a leader in sonography.

Students must complete prerequisite coursework (year 1) before entrance into the program. Once accepted, the sophomore year (year 2) will provide additional coursework in the arts and sciences with an introduction to sonography in the winter semester. The junior year (year 3), the student will begin sonography clinical experiences and classroom experience in abdominal and vascular technology. The last year (year 4) provides experiences in obstetrics/gynecology and adult echocardiography and a clinical externship. Upon successful completion of the program, the student receives the Bachelor of Science degree with a major in diagnostic medical sonography.

### Approval & Accreditation

The diagnostic medical sonography degree at Kettering College meets the essentials of and is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon recommendation from the Joint Review Committee for Diagnostic Medical Sonography (JRCDSM). Kettering College is accredited by the Higher Learning Commission (HLC), approved by the Accrediting Association of the General Conference of Seventh-day Adventist Colleges, Schools, & Universities (AAA), and authorized by the Ohio Department of Higher Education.

### Admission Basics

Admission to the Kettering College diagnostic medical sonography program is competitive and occurs one time during the academic year for fall entry. All prerequisite courses are available at Kettering College. Preference is given to individuals who demonstrate academic strength in the prerequisite coursework, especially those applicants who complete prerequisites at Kettering. Transfer students are encouraged to contact the recruiting office for advising on prerequisite course equivalency.

College admission: Applicants must meet all Kettering College admission requirements.

**GPA:** Applicants must present transcripts reflecting a GPA of 2.5 or above (on a 4.0 scale) for all prerequisite courses.

**Computer proficiency:** All students accepted into the sonography program are expected to be proficient in computer skills required for document preparation, Internet search, and emailing.

**CPR:** All sonography students must be certified in cardiopulmonary resuscitation (CPR) by completing the class offered by Kettering College. Students are not required to complete CPR prior to enrollment.

**Background check/drug screening:** Students must request and pay to have a criminal background check and drug screen by a college-approved service no more than six months prior to beginning the clinical experience. Commencement of the clinical portion of the program is contingent upon successful clearance of the background check and drug screen.

**Technical standards:** Applicants must meet certain physical and health requirements defined as technical standards.

### Application Deadlines

**Early Action deadline:** Students who submit all application documents by January 31 will be considered for early program admission. The admission decision will be communicated by the end of February. An admitted student will have until May 1 to either accept or decline their offer of admission.

**Regular Decision deadline:** Students who submit all application documents by May 25 will be considered for program admission to fill any spots that may be available after the Early Action decisions have been made. Once students have been notified of the admission decision, they will have 10 days to accept or decline their offer of admission.



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YEAR 1		Fall	Winter	Summer
BIOL 119	Anatomy and Physiology I	4		
ENGL 101	Writing and Rhetoric I	3		
MATH 105	Fundamentals of Mathematics (if needed)	0-3		
RTCA 121	Medical Terminology	1		
SOCI 115	Principles of Sociology	3		
BIOL 129	Human Anatomy and Physiology II		4	
COMM 215	Introduction to Human Communication		3	
MATH 155	College Algebra		3	
PHYS 131	Survey of Physics		4	
PEAC 178	Wellness		1	
TOTAL		11-14	15	

Note: Acceptance to the sonography program is required for further progression. All SONO courses must be taken in sequence. Non-SONO courses may be taken ahead of schedule, but they may not be delayed.

YEAR 2		Fall	Winter	Summer
BIOL 263	Sectional Anatomy	3		
ENGL 102	Writing and Rhetoric II	3		
HIST	History sequence I	3		
	Humanities elective	3		
PSYC 112	General Psychology	3		
RELB 101	Seventh-day Adventist Fundamental Beliefs and the Healing Ministry of Christ	3		
RELP 254	Morality and Medicine		3	
HIST	History sequence II		3	
PEAC	Physical education elective		1	
*SOCI 375	Cultural Diversity in Health Care		3	
RTCA 120	Basic Patient Care		2	
SONO 205	Introduction to Sonography		2	
BIOL 350	Pathophysiology		3	
TOTAL		18	17	

\*May only be taken during this semester

YEAR 3		Fall	Winter	Summer
SONO 300	Clinical Sonography I	4		
SONO 301	Sonography Physics & Instrumentation I	2		
SONO 306	Abdominal Sonography I	4		
SONO 311	Vascular Sonography I	4		
RELT 305	World Religions for Health Care Professionals		3	
SONO 302	Sonographic Physics & Instrumentation II		2	
SONO 305	Clinical Sonography II		4	
SONO 307	Abdominal Sonography II		3	
SONO 312	Vascular Sonography II		3	
SONO 310	Clinical Sonography III			4
SONO 316	Cardiac Testing			1
SONO 321	Gynecological Sonography			2
TOTAL		14	15	7

YEAR 4		Fall	Winter	Summer
RELP 316	Spirituality in Healing and Health Care	3		
SONO 400	Clinical Sonography IV	4		
SONO 401	Echocardiography I	4		
SONO 425	Obstetrical Sonography I	3		
	Humanities elective		3	
SONO 402	Echocardiography II		3	
SONO 405	Clinical Sonography V		4	
SONO 408	Seminar/Capstone		1	
SONO 426	Obstetrical Sonography II		3	
SONO 410	Clinical Externship			4
SONO 406	Registry Review			2
TOTAL		14	14	6
TOTAL CREDITS FOR DEGREE				131-134

