



This roadmap is a recommended semester-by-semester plan of study for this major. However, courses and milestones designated as critical (in boldface and shaded areas) must be completed in the semester listed to ensure a timely graduation.

Course Subject and Title	Credit Hours	Upper Division	Min. Grade	Important Notes
<b>Prerequisite to Major: [32 Credit Hours]</b>				
Students must have graduated from a hospital-based certificate program in radiologic technology; successfully completed the certification exam for the American Registry of Radiologic Technology; and earned the ATS degree in Radiologic Technology (32 semester credits will be awarded)				
<b>Semester One: [13 Credit Hours]</b>				
COMT 11000 Introduction to Computer Systems	3			
PSYC 11762 General Psychology	3			Fulfills Kent Core Social Sciences
US 10097 Destination Kent State: FYE	1			Not required of transfer students with 25 credits
Kent Core Requirements	3			See Kent Core Summary on page 2
General Elective (lower division)	3			
<b>Semester Two: [12-13 Credit Hours]</b>				
MATH 11009 Modeling Algebra <i>or</i> MATH 11010 Algebra for Calculus	3-4			Fulfills Kent Core Mathematics and Critical Reasoning
Kent Core Requirements	6			See Kent Core Summary on page 2
General Elective (lower division)	3			
<b>Semester Three: [13 Credit Hours]</b>				
CHEM 10031 Chemistry in Our World Laboratory <i>or</i> PHY 21041 Physics in Entertainment and Arts Laboratory	1			Fulfills Kent Core Basic Sciences Laboratory; see RIS advisor before selecting course
Kent Core Requirements	12			See Kent Core Summary on page 2
<b>Semester Four: [10 Credit Hours]</b>				
CHEM 10050 Fundamentals of Chemistry	3			Fulfills Kent Core Basic Sciences
Kent Core Requirements	6			See Kent Core Summary on page 2
General Elective (lower division)	1			
<b>Semester Five: [14 Credit Hours]</b>				
Required: minimum 2.75 GPA and admittance to the program to enroll in RIS courses				
RIS 34040 Patient Management	3	■	C	
RIS 34042 Abdominal Sonography I	3	■	C	
RIS 34044 Ultrasound Physics and Instrumentation	3	■	C	
RIS 34045 Ultrasound Clinical Education I	2	■	C	
RIS 34083 Sectional Anatomy in Medical Imaging	3	■	C	
<b>Semester Six: [15 Credit Hours]</b>				
RIS 34052 Abdominal Sonography II	3	■	C	
RIS 34055 Ultrasound Clinical Education II	3	■	C	
RIS 34062 Obstetric-Gynecology Sonography I	3	■	C	
RIS 44083 Pathophysiology in Medical Imaging	3	■	C	
RIS 44098 Research in Medical Imaging	3	■	C	Fulfills writing-intensive course requirement



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<b>Semester Seven: [10 Credit Hours]</b>				
RIS 34065 Ultrasound Clinical Education III	2	■	C	
RIS 34082 Small Parts Sonography	1	■	C	
RIS 44072 Obstetric-Gynecology Sonography II	3	■	C	
RIS 44075 Ultrasound Clinical Education IV	3	■	C	
RIS 44084 Ultrasound Image Evaluation	1	■	C	
<b>Semester Eight: [5 Credit Hours]</b>				
RIS 44074 Vascular Sonography	2	■	C	
RIS 44085 Ultrasound Clinical Education V	3	■	C	

### Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Kent Core Hours	Diversity Course Global / Domestic	Writing-Intensive	Minimum Major GPA	Minimum Overall GPA
124	39	36	Kent Core and PSYC 11762	RIS 44098	2.75	2.0

### Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
<b>Additional (6 credit hours)</b> <i>Must be selected from two Kent Core categories</i>	May fulfill diversity requirement	6
<b>Basic Sciences (6-7 credit hours)</b> <i>Must include one laboratory</i>	4 credit hours are fulfilled in this major with CHEM 10050; and CHEM 10031 <i>or</i> PHY 21041	3
<b>Composition (6-8 credit hours)</b> <i>ENG 11002, 11011, 21011; HONR 10197, 10297</i>	Enrollment based on placement test	6-8
<b>Humanities and Fine Arts (9 credit hours)</b> <i>Minimum one course from humanities in Arts and Sciences category and minimum one course from fine arts category</i>	May fulfill diversity requirement	9
<b>Mathematics and Critical Reasoning (3-5 credit hours)</b>	Fulfilled in this major with MATH 11009 or MATH 11010	0
<b>Social Sciences (6 credit hours)</b> <i>Must be selected from two curricular areas</i>	3 credit hours are fulfilled in this major with PSYC 11762	3

**Note:** Students should contact the diagnostic medical sonography program director at the Salem Campus for advising. Students transferring credit must meet the 30 semester hour residency rule as stated in the Undergraduate Catalog.

### Kent Core

Students must complete a minimum 36 credit hours of the Kent Core. Certain courses required in programs and in student's major field may also fulfill the Kent Core. Honors equivalents shall satisfy the Kent Core. None of the courses on the Kent Core list may be taken with a pass/fail grade. Visit [www.kent.edu/catalog/kent-core](http://www.kent.edu/catalog/kent-core) for course list.

### Diversity Course Requirement

Students must complete a two-course diversity requirement, consisting of one with a domestic (U.S.) focus and one with a global focus. One course must come from the Kent Core. The second course may be taken as a second Kent Core, within a major or minor, or as a general elective; or, with dean's approval, by completing one semester of study in another country. Visit [www.kent.edu/catalog/diversity](http://www.kent.edu/catalog/diversity) for course list.

### Writing-Intensive Course Requirement

Students must complete a one-course writing-intensive requirement in their major and earn minimum C (2.00) grade. Visit [www.kent.edu/catalog/wic](http://www.kent.edu/catalog/wic) for course list.

### Upper-Division Requirement

Students must complete a minimum 39 upper-division (numbered 30000 to 49999) credit hours of coursework. Programs in the College of Arts and Sciences require a minimum of 42 hours of upper-division coursework.