1

RADIOLOGIC IMAGING SCIENCES - B.R.I.T.

College of Applied and Technical Studies www.kent.edu/cats

About This Program

Kent State's Radiologic Imaging Sciences bachelor's degree is the perfect choice for students interested in launching a rewarding career in medical imaging. Gain hands-on experience with industry-standard equipment and work alongside experienced faculty to develop the skills and knowledge needed to excel in this growing field. Read more...

Contact Information

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- · Chat with an Admissions Counselor

Program Delivery

- · Delivery:
 - Fully online (Computed Tomography completer program and Magnetic Resonance Imaging completer programs - for those with a degree in radiologic technology)
 - In person (Diagnostic Medical Sonography and Radiation Therapy concentrations)
- Location:
 - · Salem Campus (all concentrations)

Examples of Possible Careers and Salaries*

Diagnostic medical sonographers

- 16.8% much faster than the average
- · 74,300 number of jobs
- \$75,920 potential earnings

Magnetic resonance imaging technologists

- · 7.0% faster than the average
- · 38,700 number of jobs
- · \$74,690 potential earnings

Radiation therapists

- 7.1% faster than the average
- · 18,500 number of jobs
- \$86,850 potential earnings

Radiologic technologists and technicians

- · 6.7% faster than the average
- · 212,000 number of jobs
- \$61,900 potential earnings

Accreditation

The B.R.I.T. degree in Radiologic Imaging Sciences (Radiation Therapy concentration only) is accredited by the Joint Review Committee on Education in Radiologic Technology.

20 N. Wacker Dr. Suite 2850, Chicago, IL 60606-3182 mail@jrcert.org www.jrcert.org

* Source of occupation titles and labor data comes from the U.S. Bureau of Labor Statistics'

Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less

Admission Requirements

The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students.

First-Year Students on the Kent Campus: First-year admission policy on the Kent Campus is selective. Admission decisions are based upon cumulative grade point average, strength of high school college preparatory curriculum and grade trends. Students not admissible to the Kent Campus may be administratively referred to one of the seven regional campuses to begin their college coursework. For more information, visit the admissions website for first-year students.

First-Year Students on the Regional Campuses: First-year admission to Kent State's campuses at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, as well as the Twinsburg Academic Center, is open to anyone with a high school diploma or its equivalent. For more information on admissions, contact the Regional Campuses admissions offices.

International Students: All international students must provide proof of proficiency of the English language (unless they meet specific exceptions) through the submission of an English language proficiency test score or by completing English language classes at Kent State's English as a Second Language Center before entering their program. For more information, visit the admissions website for international students.

Former Students: Former Kent State students who have not attended another institution since Kent State and were not academically dismissed will complete the re-enrollment process through the Financial, Billing and Enrollment Center. Former students who attended another college or university since leaving Kent State must apply for admissions as a transfer or post-undergraduate student.

Transfer Students: Students who attended an educational institution after graduating from high school or earning their GED must apply as transfer students. For more information, visit the admissions website for transfer students.

Admission policies for undergraduate students may be found in the University Catalog's Academic Policies.

Code

Students may be required to meet certain criteria to progress in their program. Any progression requirements will be listed on the program's Coursework tab

Program Requirements

Title

Major Requirements

Computed Tomography Concentration Requirements

Credit

		Hours
Concentration Requi	rements (courses count in major GPA; min C grade	
required in all RIS co	•	
RIS 34084	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY I	2
RIS 34086	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY II	2
RIS 44021	PATIENT MANAGEMENT IN COMPUTED TOMOGRAPHY	2
RIS 44030	COMPUTED TOMOGRAPHY IMAGE PRODUCTION I	2
RIS 44047	COMPUTED TOMOGRAPHY PROCEDURES I	2
RIS 44048	COMPUTED TOMOGRAPHY PROCEDURES II	2
RIS 44062	COMPUTED TOMOGRAPHY IMAGE PRODUCTION II	2
RIS 44068	COMPUTED TOMOGRAPHY TECHNIQUES	2
RIS 44083	PATHOPHYSIOLOGY FOR MEDICAL IMAGING	3
RIS 44088	LEADERSHIP IN MEDICAL IMAGING	1
RIS 44096	INDIVIDUAL INVESTIGATION IN MEDICAL IMAGING DIRECTED READINGS	3
RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
Clinical Electives, cho	oose from the following:	5
RIS 44004	COMPUTED TOMOGRAPHY CLINICAL EDUCATION I	
RIS 44054	COMPUTED TOMOGRAPHY CLINICAL EDUCATION II	
RIS 44069	COMPUTED TOMOGRAPHY CLINICAL EDUCATION III	
RIS 44092	COMPUTED TOMOGRAPHY/MAGNETIC RESONANCE INTERNSHIP (ELR)	
Additional Requirem	ents (courses do not count in major GPA)	
MATH 10041	INTRODUCTORY STATISTICS (KMCR)	3-4
or MATH 11009	MODELING ALGEBRA (KMCR)	
or MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
UC 10001	FLASHES 101	1
Kent Core Compositi	on	6
Kent Core Humanitie	s and Fine Arts (minimum one course from each)	9
Kent Core Social Scie	ences (must be from two disciplines)	3
Kent Core Additional		6
	tal credit hours depends on earning 120 credit pper-division credit hours) ¹	51
GPA), choose from th		7-11
Concentration for A.A.	S. Radiologic Technology graduates ^{CTRT}	
AHS 24010	MEDICAL TERMINOLOGY	1-3
or HED 14020	MEDICAL TERMINOLOGY	
Biology (BSCI) Elective	ves, choose from the following: ²	6-8

Minimum Total Credit	t Hours:	120
Kent Core Basic Scien	nces (must include one laboratory)	1
or IT 11000	INTRODUCTION TO OFFICE PRODUCTIVITY APPS	
or CS 10001	COMPUTER LITERACY	
CIS 24053	INTRODUCTION TO INFORMATION SYSTEMS AND DIGITAL TECHNOLOGIES	3
BSCI 10001	HUMAN BIOLOGY (KBS)	3
Concentration for for Accertification) CTHA	A.T.S. Radiologic Technology graduates (with	
BSCI 21010 & BSCI 21020	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) and ANATOMY AND PHYSIOLOGY II	
BSCI 11010 & BSCI 11020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) and FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	

- 1 Most general elective credit hours will be fulfilled with courses earned for radiologic technology associate degree or hospital-based certificate (32-40 credit hours awarded for certificate).
- Students who have successfully completed ATTR 25057 and ATTR 25058 (or EXSC 25057 and EXSC 25058) may use those courses in place of BSCI 11010 and BSCI 11020 (or BSCI 21010 and BSCI 21020).

Diagnostic Medical Sonography Concentration Requirements

Code	Title	Credit Hours	
Concentration Requirements (courses count in major GPA; min C grade required in all RIS courses)			
RIS 34040	PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY	3	
RIS 34042	ABDOMINAL SONOGRAPHY I	3	
RIS 34044	ULTRASOUND PHYSICS AND INSTRUMENTATION	3	
RIS 34045	ULTRASOUND CLINICAL EDUCATION I	2	
RIS 34052	ABDOMINAL SONOGRAPHY II	3	
RIS 34060	ULTRASOUND CLINICAL EDUCATION II	4	
RIS 34062	OBSTETRICS AND GYNECOLOGY SONOGRAPHY I	3	
RIS 34072	SUPERFICIAL STRUCTURES SONOGRAPHY	2	
RIS 34075	ULTRASOUND CLINICAL EDUCATION III	2	
RIS 34083	SECTIONAL ANATOMY IN MEDICAL IMAGING	3	
RIS 44072	OBSTETRICS AND GYNECOLOGY SONOGRAPHY II	3	
RIS 44074	VASCULAR SONOGRAPHY	2	
RIS 44076	ULTRASOUND CLINICAL EDUCATION IV	4	
RIS 44083	PATHOPHYSIOLOGY FOR MEDICAL IMAGING	3	
RIS 44084	ULTRASOUND IMAGE EVALUATION	1	
RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3	
Additional Requireme	nts (courses do not count in major GPA)		
MATH 11009	MODELING ALGEBRA (KMCR)	3-4	
or MATH 11010	ALGEBRA FOR CALCULUS (KMCR)		
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3	
UC 10001	FLASHES 101	1	
Kent Core Compositio	on	6	
Kent Core Humanities and Fine Arts (minimum one course from each)			
Kent Core Social Sciences (must be from two disciplines)			
Kent Core Additional			

	al credit hours depends on earning 120 credit oper-division credit hours) 1	24-35
	tion Requirements (courses do not count in major	19-21
Concentration for A.S.	Degree graduates or Freshman ^{FRAS}	
CIS 24053	INTRODUCTION TO INFORMATION SYSTEMS AND DIGITAL TECHNOLOGIES	3
or CS 10001	COMPUTER LITERACY	
or IT 11000	INTRODUCTION TO OFFICE PRODUCTIVITY APPS	
HED 14020	MEDICAL TERMINOLOGY	3
PHY 13001 & PHY 13021	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)	3-5
or PHY 12111	PHYSICS FOR HEALTH TECHNOLOGIES	
RIS 34001	INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY (min C grade)	1
Biology (BSCI) Electiv	es, choose from the following:	6-8
BSCI 11010 & BSCI 11020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) and FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	
BSCI 21010	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) ²	
or BSCI 21020	ANATOMY AND PHYSIOLOGY II	
	nces (must include one laboratory)	3
Concentration for A.A.S	S Radiologic Technology graduates ^{RTAS}	
AHS 24010	MEDICAL TERMINOLOGY	1-3
or HED 14020	MEDICAL TERMINOLOGY	
Biology (BSCI) Electiv	es, choose from the following: ²	6-8
BSCI 11010 & BSCI 11020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) and FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	
BSCI 21010 & BSCI 21020	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) and ANATOMY AND PHYSIOLOGY II	
Concentration for A.T.S certification) HATS	S. Radiologic Technology graduates (with	
BSCI 10001	HUMAN BIOLOGY (KBS)	3
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3
or CHEM 10055	MOLECULES OF LIFE (KBS)	
CIS 24053	INTRODUCTION TO INFORMATION SYSTEMS AND DIGITAL TECHNOLOGIES	3
or CS 10001	COMPUTER LITERACY	
or IT 11000	INTRODUCTION TO OFFICE PRODUCTIVITY APPS	
Kent Core Basic Scien	nces (must include one laboratory)	1
Minimum Total Credit	Hours:	120

¹ For students with an associate degree or hospital-based certificate, most general elective credit hours will be fulfilled with courses earned for that degree (32 credit hours awarded for certificate).

Magnetic Resonance Imaging Concentration Requirements

Requirements		
Code	Title	Credit Hours
Concentration Requir	ements (courses count in major GPA; min C grade urses)	
RIS 34084	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY I	2
RIS 34086	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY II	2
RIS 44031	PATIENT MANAGEMENT IN MAGNETIC RESONANCE IMAGING	2
RIS 44044	MAGNETIC RESONANCE IMAGING PROCEDURES I	2
RIS 44045	MAGNETIC RESONANCE IMAGING PROCEDURES II	2
RIS 44051	MAGNETIC RESONANCE EQUIPMENT AND IMAGE ACQUISITION I	2
RIS 44052	MAGNETIC RESONANCE EQUIPMENT AND IMAGE ACQUISITION II	2
RIS 44066	MAGNETIC RESONANCE IMAGING TECHNIQUES	2
RIS 44083	PATHOPHYSIOLOGY FOR MEDICAL IMAGING	3
RIS 44088	LEADERSHIP IN MEDICAL IMAGING	1
RIS 44096	INDIVIDUAL INVESTIGATION IN MEDICAL IMAGING DIRECTED READINGS	3
RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
Clincal Electives, cho	ose from the following:	5
RIS 44003	MAGNETIC RESONANCE IMAGING CLINICAL EDUCATION I	
RIS 44063	MAGNETIC RESONANCE IMAGING CLINICAL EDUCATION II	
RIS 44073	MAGNETIC RESONANCE IMAGING CLINICAL EDUCATION III	
RIS 44092	COMPUTED TOMOGRAPHY/MAGNETIC RESONANCE INTERNSHIP (ELR)	
Additional Requireme	ents (courses do not count in major GPA)	
MATH 10041	INTRODUCTORY STATISTICS (KMCR)	3-4
or MATH 11009	MODELING ALGEBRA (KMCR)	
or MATH 11010	ALGEBRA FOR CALCULUS (KMCR)	
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
UC 10001	FLASHES 101	1
Kent Core Composition		6
	s and Fine Arts (minimum one course from each)	9
Kent Core Social Scie	nces (must be from two disciplines)	3 6
General Electives (tot	al credit hours depends on earning 120 credit oper-division credit hours)	51
	tion Requirements (courses do not count in major	7-11
	S. Radiologic Technology graduates ^{MRRT}	
AHS 24010	MEDICAL TERMINOLOGY	1-3
or HED 14020	MEDICAL TERMINOLOGY	
Biology (BSCI) Electiv	res, choose from the following ²	6-8
BSCI 11010 & BSCI 11020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) and FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	
BSCI 21010	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
& BSCI 21020	and ANATOMY AND PHYSIOLOGY II	

Students who have successfully completed ATTR 25057 and ATTR 25058 (or EXSC 25057 and EXSC 25058) may use those courses in place of BSCI 11010 and BSCI 11020 (or BSCI 21010 and BSCI 21020).

Concentration for A. certification) MRHA	T.S. Radiologic Technology graduates (with	
BSCI 10001	HUMAN BIOLOGY (KBS)	3
CIS 24053	INTRODUCTION TO INFORMATION SYSTEMS AND DIGITAL TECHNOLOGIES	3
or CS 10001	COMPUTER LITERACY	
or IT 11000	INTRODUCTION TO OFFICE PRODUCTIVITY APPS	
Kent Core Basic Sciences (must include one laboratory)		1
Minimum Total Credit Hours:		120

Most general elective credit hours will be fulfilled with courses earned for radiologic technology associate degree or hospital-based certificate (32 credit hours awarded for certificate).

Radiation Therapy Concentration Requirements

Code	Title	Credit Hours	
Concentration Required in all RIS co	rements (courses count in major GPA; min C grade urses)		
RIS 34003	RADIATION THERAPY PRINCIPLES AND PRACTICE I	3	
RIS 34004	RADIATION THERAPY PATIENT MANAGEMENT	3	
RIS 34008	RADIATION THERAPY PHYSICS I	3	
RIS 34030	RADIATION THERAPY CLINICAL EDUCATION I	1	
RIS 34083	SECTIONAL ANATOMY IN MEDICAL IMAGING	3	
RIS 44009	RADIATION THERAPY PRINCIPLES AND PRACTICE II	2	
RIS 44018	RADIATION THERAPY PHYSICS II	3	
RIS 44028	RADIATION THERAPY RADIOBIOLOGY	3	
RIS 44029	RADIATION THERAPY PATHOLOGY I	3	
RIS 44038	RADIATION THERAPY PHYSICS III	3	
RIS 44041	RADIATION THERAPY QUALITY MANAGEMENT	2	
RIS 44042	RADIATION THERAPY PATHOLOGY II	3	
RIS 44053	RADIATION THERAPY CLINICAL EDUCATION II	3	
RIS 44058	RADIATION THERAPY CLINICAL EDUCATION III	2	
RIS 44067	RADIATION THERAPY CLINICAL EDUCATION IV	3	
RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3	
Additional Requireme	ents (courses do not count in major GPA)		
COMM 15000	INTRODUCTION TO HUMAN COMMUNICATION (KADL)	3	
MATH 11009	MODELING ALGEBRA (KMCR)	3-4	
or MATH 11010	ALGEBRA FOR CALCULUS (KMCR)		
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3	
UC 10001	FLASHES 101	1	
Kent Core Composition	on	6	
Kent Core Humanitie	s and Fine Arts (minimum one course from each)	9	
Kent Core Social Sciences (must be from two disciplines)			
General Electives (total credit hours depends on earning 120 credit hours, including 39 upper-division credit hours) ¹			
Additional Concentration Requirements (courses do not count in major GPA), choose from the following:			
Concentration for A.S. Degree graduates or Freshman RTFE			
CIS 24053	INTRODUCTION TO INFORMATION SYSTEMS AND DIGITAL TECHNOLOGIES	3	

Minimum Total Credit	Hours:	120
	nces (must include one laboratory)	1
or IT 11000	INTRODUCTION TO OFFICE PRODUCTIVITY APPS	
or CS 10001	COMPUTER LITERACY	
CIS 24053	INTRODUCTION TO INFORMATION SYSTEMS AND DIGITAL TECHNOLOGIES	3
or CHEM 10055	MOLECULES OF LIFE (KBS)	
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3
BSCI 10001	HUMAN BIOLOGY (KBS)	3
Concentration for A.T.S certification) RTHB	S. Radiologic Technology graduates (with	
BSCI 21010 & BSCI 21020	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) and ANATOMY AND PHYSIOLOGY II	
BSCI 11010 & BSCI 11020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) and FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	
Biology (BSCI) Electiv	es, choose from the following: ²	6-8
or HED 14020	MEDICAL TERMINOLOGY	
AHS 24010	MEDICAL TERMINOLOGY	1-3
	S. Radiologic Technology graduates ^{RTAA}	
Kent Core Basic Scier	nces (must include one laboratory)	3
BSCI 21010 & BSCI 21020	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) and ANATOMY AND PHYSIOLOGY II ²	
BSCI 11010 & BSCI 11020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) and FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	
Biology (BSCI) Electiv	es, choose from the following:	6-8
RIS 44000	INTRODUCTION TO RADIATION THERAPY	2
& PHY 13021 or PHY 12111	and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) PHYSICS FOR HEALTH TECHNOLOGIES	
PHY 13001	GENERAL COLLEGE PHYSICS I (KBS)	3-5
HED 14020	MEDICAL TERMINOLOGY	3
or IT 11000	INTRODUCTION TO OFFICE PRODUCTIVITY APPS	
or CS 10001	COMPUTER LITERACY	

For students with an associate degree or hospital-based certificate, most general elective credit hours will be fulfilled with courses earned for that degree (32 credit hours awarded for certificate).

Progression Requirements

To be able to register for Radiologic and Imaging Sciences (RIS) courses, students must be accepted to technical study. Acceptance to technical study is a selective process due to the limited number of students approved for each clinical education setting. Criteria for acceptance are the following:

- · Completion of required non-radiologic and imaging sciences (RIS) courses, e.g., biology, chemistry, mathematics, psychology, Kent Core courses
- · Minimum 2.750 overall GPA

Students who have successfully completed ATTR 25057 and ATTR 25058 (or EXSC 25057 and EXSC 25058) may use those courses in place of BSCI 11010 and BSCI 11020 (or BSCI 21010 and BSCI 21020).

Students who have successfully completed ATTR 25057 and ATTR 25058 (or EXSC 25057 and EXSC 25058) may use those courses in place of BSCI 11010 and BSCI 11020 (or BSCI 21010 and BSCI 21020).

Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
2.750	2.000

- Students must complete all Radiologic and Imaging Sciences (RIS) courses with a minimum C grade.
- Students must complete all academic and clinical competencies in their core concentration.

Roadmaps

This roadmap is a recommended semester-by-semester plan of study for this program. Students will work with their advisor to develop a sequence based on their academic goals and history. Courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Computed Tomography Concentration for A.A.S. Radiologic Technology graduates

This roadmap is a recommended semester-by-semester plan of study for this program. Students will work with their advisor to develop a sequence based on their academic goals and history. Courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

	Semester Prerequisite		Credits
!	Technical requi	rements in Radiologic Technology	43
	Biology (BSCI) I	Electives, choose from the following:	6-8
		FOUNDATIONAL ANATOMY AND PHYSIOLOGY I 20(KBS) (KLAB) and FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	
		ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
	AHS 24010 or HED 14020	MEDICAL TERMINOLOGY or MEDICAL TERMINOLOGY	1-3
	MATH 10041 or MATH 1100 or MATH 1101	,	3-4
	PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
	UC 10001	FLASHES 101	1
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
		Credit Hours	63
	Semester One		
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	General Elective	e	3
	Credit Hours		12
	Semester Two		
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	Kent Core Requirement		3
	General Elective	es	5
		Credit Hours	14

Semester Three

		Minimum Total Credit Hours:	120
		Credit Hours	3
!	Clinical Elective		1
!	RIS 44068	COMPUTED TOMOGRAPHY TECHNIQUES	2
	Semester Five		
		Credit Hours	14
· !	Clinical Elective		2
į.	RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
į.	RIS 44083	PATHOPHYSIOLOGY FOR MEDICAL IMAGING	3
!	RIS 44062	COMPUTED TOMOGRAPHY IMAGE PRODUCTION II	2
!	RIS 44048	COMPUTED TOMOGRAPHY PROCEDURES II	2
!	RIS 34086	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY II	2
	Semester Four		
		Credit Hours	14
!	Clinical Elective		2
!	RIS 44096	INDIVIDUAL INVESTIGATION IN MEDICAL IMAGING DIRECTED READINGS	3
!	RIS 44088	LEADERSHIP IN MEDICAL IMAGING	1
	RIS 44047	COMPUTED TOMOGRAPHY PROCEDURES I	2
!	RIS 44030	COMPUTED TOMOGRAPHY IMAGE PRODUCTION I	2
!	RIS 44021	PATIENT MANAGEMENT IN COMPUTED TOMOGRAPHY	2
!	RIS 34084	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY I	2
	Semester Timee		

Computed Tomography Concentration for A.T.S. Radiologic Technology graduates (with certification)

	Semester Prerec	quisite	Credits
!	Associate of Teo	chnical Studies in Radiologic Technology	32
	BSCI 10001	HUMAN BIOLOGY (KBS)	3
	OHEM 10050 or CHEM 10055	or MOLECULES OF LIFE (KBS)	3
	CIS 24053 or CS 10001 or IT 11000	INTRODUCTION TO INFORMATION SYSTEMS AND DIGITAL TECHNOLOGIES or COMPUTER LITERACY or INTRODUCTION TO OFFICE PRODUCTIVITY APPS	3
	MATH 10041 or MATH 11009 or MATH 11010	or MODELING ALGEBRA (KMCR) or ALGEBRA FOR CALCULUS (KMCR)	3-4
	PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
	UC 10001	FLASHES 101	1
	Kent Core Requi	rements	3
	Kent Core Requi	rements	3
	Kent Core Requi	rements	3
	Kent Core Requi	rements	3

Kent Core	Requirements	3
Kent Core	Requirements	3
	Credit Hours	66
Semester	One	
Kent Core	Requirements	3
General E	lectives	9
	Credit Hours	12
Semester	·Two	
Kent Core	Requirement	3
Kent Core	Requirement	1
General E	lectives	7
	Credit Hours	11
Semester	Three	
RIS 34084	4 COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY I	2
RIS 44021		2
RIS 44030	COMPUTED TOMOGRAPHY IMAGE PRODUCTION I	2
RIS 44047	7 COMPUTED TOMOGRAPHY PROCEDURES I	2
RIS 44088	8 LEADERSHIP IN MEDICAL IMAGING	1
RIS 44096	6 INDIVIDUAL INVESTIGATION IN MEDICAL IMAGING DIRECTED READINGS	3
Clinical El	lective	2
	Credit Hours	14
Semester	Four	
RIS 34086	6 COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY II	2
RIS 44048		2
RIS 44062	2 COMPUTED TOMOGRAPHY IMAGE PRODUCTION II	2
RIS 44083	PATHOPHYSIOLOGY FOR MEDICAL IMAGING	3
RIS 44098	8 RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
Clinical El	lective	2
	Credit Hours	14
Semester	Five	
RIS 44068	8 COMPUTED TOMOGRAPHY TECHNIQUES	2
Clinical El		
Olli licai Ei	lective	1
Ollillear El	lective Credit Hours	3

Diagnostic Medical Sonography Concentration for A.S. Degree graduates or Freshman

Semester One		Credits
CIS 24053	INTRODUCTION TO INFORMATION SYSTEMS	3
or CS 10001	AND DIGITAL TECHNOLOGIES	
or IT 11000	or COMPUTER LITERACY	
	or INTRODUCTION TO OFFICE PRODUCTIVITY APPS	
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
UC 10001	FLASHES 101	1
Kent Core Requ	irement	3

	General Elective	25	3
	00.10141 2.004.14	Credit Hours	13
	Semester Two	oreun mours	13
	MATH 11009	MODELING ALGEBRA (KMCR)	3-4
	or	or ALGEBRA FOR CALCULUS (KMCR)	0 1
	MATH 11010)	
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	General Elective	es	3
		Credit Hours	15
	Semester Three	•	
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	General Elective	es	3
		Credit Hours	12
	Semester Four		
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	General Elective	es	4
		Credit Hours	10
	Semester Five		
	BSCI 11010	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I	3-4
	or	(KBS) (KLAB)	
	BSCI 21010	or ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
	General Elective		8
	Ocheral Eleotive		
		Credit Hours	12
	Semester Siv	Credit Hours	12
	Semester Six		
	HED 14020	MEDICAL TERMINOLOGY	3
	HED 14020 PHY 13001	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS)	3
	HED 14020 PHY 13001 & PHY 13021	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES	3
	HED 14020 PHY 13001 & PHY 13021 or	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II	3
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	3 3-5
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II	3 3-5 3-4
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II	3 3-5 3-4
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours	3 3-5 3-4
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Ferm	3 3-5 3-4 3 13
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Ferm INTRODUCTION TO DIAGNOSTIC MEDICAL	3 3-5 3-4
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Ferm	3 3-5 3-4 3 13
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer T	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Term INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY Credit Hours	3 3-5 3-4 3 13
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer 1 RIS 34001 Semester Sever	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Term INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY Credit Hours	3 3-5 3-4 3 13 1
· ·	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer T	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Term INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY Credit Hours	3 3-5 3-4 3 13
!	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer 1 RIS 34001 Semester Sever	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Ferm INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC	3 3-5 3-4 3 13 1
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer 1 RIS 34001 Semester Sever	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Ferm INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY	3 3-5 3-4 3 13 1 1 3
!	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer T RIS 34001 Semester Sever RIS 34040 RIS 34042	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Ferm INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY ABDOMINAL SONOGRAPHY I	3 3-5 3-4 3 13 1 3 3
!!	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer T RIS 34001 Semester Sever RIS 34042 RIS 34044	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II S Credit Hours Ferm INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY ABDOMINAL SONOGRAPHY I ULTRASOUND PHYSICS AND INSTRUMENTATION	3 3-5 3-4 3 13 1 3 3 3 3
! ! !	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer T RIS 34001 Semester Sever RIS 34040 RIS 34044 RIS 34045	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Term INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY ABDOMINAL SONOGRAPHY I ULTRASOUND PHYSICS AND INSTRUMENTATION ULTRASOUND CLINICAL EDUCATION I	3 3-5 3-4 3 13 1 1 3 3 3
! ! !	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer T RIS 34001 Semester Sever RIS 34040 RIS 34044 RIS 34045	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Ferm INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY ABDOMINAL SONOGRAPHY I ULTRASOUND PHYSICS AND INSTRUMENTATION ULTRASOUND CLINICAL EDUCATION I SECTIONAL ANATOMY IN MEDICAL IMAGING Credit Hours	3 3-4 3 13 1 1 3 3 3 2 3
! ! !	HED 14020 PHY 13001 & PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer 1 RIS 34001 Semester Sever RIS 34040 RIS 34044 RIS 34045 RIS 34083	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Ferm INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY ABDOMINAL SONOGRAPHY I ULTRASOUND PHYSICS AND INSTRUMENTATION ULTRASOUND CLINICAL EDUCATION I SECTIONAL ANATOMY IN MEDICAL IMAGING Credit Hours	3 3-4 3 13 1 1 3 3 3 2 3
! ! !	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer 1 RIS 34001 Semester Sever RIS 34044 RIS 34045 RIS 34045 RIS 34083 Semester Eight	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Ferm INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY ABDOMINAL SONOGRAPHY I ULTRASOUND PHYSICS AND INSTRUMENTATION ULTRASOUND CLINICAL EDUCATION I SECTIONAL ANATOMY IN MEDICAL IMAGING Credit Hours	3 3-4 3 13 1 1 3 3 2 3 14
!!!!	HED 14020 PHY 13001 & PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer T RIS 34001 Semester Sever RIS 34044 RIS 34045 RIS 34045 RIS 34083 Semester Eight RIS 34052	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Ferm INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY ABDOMINAL SONOGRAPHY I ULTRASOUND PHYSICS AND INSTRUMENTATION ULTRASOUND CLINICAL EDUCATION I SECTIONAL ANATOMY IN MEDICAL IMAGING Credit Hours ABDOMINAL SONOGRAPHY II	3 3-4 3 13 1 1 3 3 2 3 14
!!!!	HED 14020 PHY 13001 & PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer T RIS 34001 Semester Sever RIS 34044 RIS 34045 RIS 34045 RIS 34083 Semester Eight RIS 34052 RIS 34060	MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II ES Credit Hours Ferm INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY I ULTRASOUND PHYSICS AND INSTRUMENTATION ULTRASOUND CLINICAL EDUCATION I SECTIONAL ANATOMY IN MEDICAL IMAGING Credit Hours ABDOMINAL SONOGRAPHY II ULTRASOUND CLINICAL EDUCATION II	3 3-4 3 13 1 1 3 3 2 3 14

!	RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
		Credit Hours	16
	Fourth Summe	er Term	
	RIS 34072	SUPERFICIAL STRUCTURES SONOGRAPHY	2
	RIS 34075	ULTRASOUND CLINICAL EDUCATION III	2
!	RIS 44072	OBSTETRICS AND GYNECOLOGY SONOGRAPHY	3
		II	
!	RIS 44084	ULTRASOUND IMAGE EVALUATION	1
		Credit Hours	8
	Semester Nine	•	
	RIS 44076	ULTRASOUND CLINICAL EDUCATION IV	4
!	RIS 44074	VASCULAR SONOGRAPHY	2
		Credit Hours	6
		Minimum Total Credit Hours:	120

Diagnostic Medical Sonography Concentration for A.A.S Radiologic Technology graduates

This roadmap is a recommended semester-by-semester plan of study for this program. Students will work with their advisor to develop a sequence based on their academic goals and history. Courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

graduation.				
	Semester Prerequisite Cr			
	Technical requir	ements in Radiologic Technology	38	
	Biology (BSCI) Electives, choose from the following:			
		FOUNDATIONAL ANATOMY AND PHYSIOLOGY I D(KBS) (KLAB) and FOUNDATIONAL ANATOMY AND		
		PHYSIOLOGY II (KBS) (KLAB)		
		ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) Cand ANATOMY AND PHYSIOLOGY II		
	AHS 24010 or HED 14020	MEDICAL TERMINOLOGY or MEDICAL TERMINOLOGY	1-3	
	MATH 11009 or MATH 11010	MODELING ALGEBRA (KMCR) or ALGEBRA FOR CALCULUS (KMCR)	3-4	
	PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3	
	UC 10001	FLASHES 101	1	
	Kent Core Requi	rement	3	
	Kent Core Requi	rement	3	
		Credit Hours	58	
	Semester One			
	Kent Core Requi	rement	3	
	Kent Core Requi	rement	3	
	Kent Core Requi	rement	3	
	Kent Core Requi	rement	3	
	Kent Core Requi	rement	3	
	Kent Core Requi	rement	3	
		Credit Hours	18	
	Semester Two			
!	RIS 34040	PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY	3	
!	RIS 34042	ABDOMINAL SONOGRAPHY I	3	
!	RIS 34044	ULTRASOUND PHYSICS AND INSTRUMENTATION	3	
!	RIS 34045	ULTRASOUND CLINICAL EDUCATION I	2	
!	RIS 34083	SECTIONAL ANATOMY IN MEDICAL IMAGING	3	
		Credit Hours	14	
	Semester Three			
!	RIS 34052	ABDOMINAL SONOGRAPHY II	3	
!	RIS 34060	ULTRASOUND CLINICAL EDUCATION II	4	
!	RIS 34062	OBSTETRICS AND GYNECOLOGY SONOGRAPHY I	3	
!	RIS 44083	PATHOPHYSIOLOGY FOR MEDICAL IMAGING	3	
!	RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3	
		Credit Hours	16	
	Semester Four			
	RIS 34075	ULTRASOUND CLINICAL EDUCATION III	2	
	RIS 34072	SUPERFICIAL STRUCTURES SONOGRAPHY	2	
!	RIS 44072	OBSTETRICS AND GYNECOLOGY SONOGRAPHY II	3	
!	RIS 44084	ULTRASOUND IMAGE EVALUATION	1	

Semester Five

		Minimum Total Credit Hours:	120
		Credit Hours	6
	RIS 44076	ULTRASOUND CLINICAL EDUCATION IV	4
!	RIS 44074	VASCULAR SONOGRAPHY	2

Diagnostic Medical Sonography Concentration for A.T.S. Radiologic Technology graduates (with certification)

This roadmap is a recommended semester-by-semester plan of study for this program. Students will work with their advisor to develop a sequence based on their academic goals and history. Courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

	Semester Prerequisite		
	Associate of Tee	chnical Studies in Radiologic Technology	32
	BSCI 10001	HUMAN BIOLOGY (KBS)	3
	CHEM 10050 or CHEM 10055	or MOLECULES OF LIFE (KBS)	3
	CIS 24053 or CS 10001 or IT 11000	INTRODUCTION TO INFORMATION SYSTEMS AND DIGITAL TECHNOLOGIES OF COMPUTER LITERACY OF INTRODUCTION TO OFFICE PRODUCTIVITY APPS	3
	MATH 11009 or MATH 11010	MODELING ALGEBRA (KMCR) or ALGEBRA FOR CALCULUS (KMCR)	3-4
	PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
	UC 10001	FLASHES 101	1
	Kent Core Requi	rement	3
	Kent Core Requi	rement	3
	Kent Core Requi	rement	3
	Kent Core Requi	rement	3
	Kent Core Requi	rement	3
	Kent Core Requi	rement	3
		Credit Hours	66
	Semester One		
	Semester One Kent Core Requi	rement	3
			3
	Kent Core Requi	rement	
	Kent Core Requi	rement irement	1
	Kent Core Requi Kent Core Requi	rement irement	1
	Kent Core Requi Kent Core Requi	rement irement is	1 3 3
!	Kent Core Requi Kent Core Requi Kent Core Requi General Elective	rement irement is	1 3 3
!	Kent Core Requi Kent Core Requi Kent Core Requi General Elective Semester Two	rement rement res Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC	1 3 3 10
	Kent Core Requi Kent Core Requi Kent Core Requi General Elective Semester Two RIS 34040	rement rement s Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY	1 3 3 10
!	Kent Core Requi Kent Core Requi Kent Core Requi General Elective Semester Two RIS 34040	rement rement rs Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY ABDOMINAL SONOGRAPHY I	1 3 3 10 3
!	Kent Core Requi Kent Core Requi Kent Core Requi General Elective Semester Two RIS 34040 RIS 34044	rement rement rs Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY ABDOMINAL SONOGRAPHY I ULTRASOUND PHYSICS AND INSTRUMENTATION	1 3 3 10 3 3 3
!!!!	Kent Core Requi Kent Core Requi General Elective Semester Two RIS 34040 RIS 34044 RIS 34045	rement rement rement res Credit Hours PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY ABDOMINAL SONOGRAPHY I ULTRASOUND PHYSICS AND INSTRUMENTATION ULTRASOUND CLINICAL EDUCATION I	1 3 3 10 3 3 3 3
!!!!	Kent Core Requi Kent Core Requi General Elective Semester Two RIS 34040 RIS 34044 RIS 34045	rement re	1 3 3 10 3 3 3 2 3
!!!!	Kent Core Requi Kent Core Requi Kent Core Requi General Elective Semester Two RIS 34040 RIS 34044 RIS 34045 RIS 34083	rement re	1 3 3 10 3 3 3 2 3
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	Kent Core Requi Kent Core Requi Kent Core Requi General Elective Semester Two RIS 34040 RIS 34044 RIS 34045 RIS 34083	rement re	1 3 3 10 3 3 3 2 3 14
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	Kent Core Requi Kent Core Requi Kent Core Requi General Elective Semester Two RIS 34040 RIS 34044 RIS 34045 RIS 34083 Semester Three RIS 34052	rement re	1 3 3 10 3 3 3 2 3 14
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	Kent Core Requi Kent Core Requi General Elective Semester Two RIS 34040 RIS 34044 RIS 34045 RIS 34083 Semester Three RIS 34052 RIS 34060	rement re	1 3 3 10 3 3 2 3 14
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	Kent Core Requi Kent Core Requi General Elective Semester Two RIS 34040 RIS 34044 RIS 34045 RIS 34083 Semester Three RIS 34052 RIS 34060 RIS 34062	rement re	1 3 3 10 3 3 2 3 14

Credit Hours

Semester Four

		Minimum Total Credit Hours	120
		Credit Hours	6
	RIS 44076	ULTRASOUND CLINICAL EDUCATION IV	4
!	RIS 44074	VASCULAR SONOGRAPHY	2
	Semester Five		
		Credit Hours	8
!	RIS 44084	ULTRASOUND IMAGE EVALUATION	1
!	RIS 44072	OBSTETRICS AND GYNECOLOGY SONOGRAPHY	3
	RIS 34075	ULTRASOUND CLINICAL EDUCATION III	2
	RIS 34072	SUPERFICIAL STRUCTURES SONOGRAPHY	2

Samoster Prerequisite

Magnetic Resonance Imaging Concentration for A.A.S. Radiologic Technology graduates

This roadmap is a recommended semester-by-semester plan of study for this program. Students will work with their advisor to develop a sequence based on their academic goals and history. Courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Credite

	Semester Prerequisite		
	Technical requir	ements in Radiologic Technology	43
	Biology (BSCI) Electives, choose from the following:		
		FOUNDATIONAL ANATOMY AND PHYSIOLOGY I D(KBS) (KLAB) and FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	
	BSCI 21010 or BSCI 2102	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II	
	AHS 24010 or HED 14020	MEDICAL TERMINOLOGY or MEDICAL TERMINOLOGY	1-3
	MATH 10041 or MATH 11009 or	` '	3-4
	MATH 11010		
	PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
	UC 10001	FLASHES 101	1
	Kent Core Requi		3
	Kent Core Requi		3
	0	Credit Hours	63
	Semester One		2
	Kent Core Requi		3
	Kent Core Requi		
	Kent Core Requi		3
	Kent Core Requi General Elective		3
	General Elective	Credit Hours	
	Semester Two	Credit nours	15
	Kent Core Requi	roment	3
	Kent Core Requi		3
	General Elective		5
	- General Elective	Credit Hours	11
	Semester Three		• • •
!	RIS 34084	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY I	2
!	RIS 44031	PATIENT MANAGEMENT IN MAGNETIC RESONANCE IMAGING	2
!	RIS 44044	MAGNETIC RESONANCE IMAGING PROCEDURES I	2
!	RIS 44051	MAGNETIC RESONANCE EQUIPMENT AND IMAGE ACQUISITION I	2
!	RIS 44088	LEADERSHIP IN MEDICAL IMAGING	1
!	RIS 44096	INDIVIDUAL INVESTIGATION IN MEDICAL IMAGING DIRECTED READINGS	3
!	Clinical Elective		2
	<u> </u>	Credit Hours	14

	Semester Four		
!	RIS 34086	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY II	2
!	RIS 44045	MAGNETIC RESONANCE IMAGING PROCEDURES II	2
!	RIS 44052	MAGNETIC RESONANCE EQUIPMENT AND IMAGE ACQUISITION II	2
!	RIS 44083	PATHOPHYSIOLOGY FOR MEDICAL IMAGING	3
!	RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
!	Clinical Elective		2
		Credit Hours	14
	Second Summe	r Term	
!	RIS 44066	MAGNETIC RESONANCE IMAGING TECHNIQUES	2
!	Clinical Elective		1
		Credit Hours	3

Magnetic Resonance Imaging Concentration for A.T.S. Radiologic Technology graduates (with certification)

Minimum Total Credit Hours:

120

	Semester Prere	quisite	Credits
!	Associate of Tee	chnical Studies in Radiologic Technology	32
	BSCI 10001	HUMAN BIOLOGY (KBS)	3
	CHEM 10050 or CHEM 10055	FUNDAMENTALS OF CHEMISTRY (KBS) or MOLECULES OF LIFE (KBS)	3
	CIS 24053 or CS 10001 or IT 11000	INTRODUCTION TO INFORMATION SYSTEMS AND DIGITAL TECHNOLOGIES or COMPUTER LITERACY or INTRODUCTION TO OFFICE PRODUCTIVITY APPS	3
	MATH 11009 or MATH 10041 or MATH 11010	,	3-4
	PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
	UC 10001	FLASHES 101	1
	Kent Core Requirement		3
	Kent Core Requirement		
	Kent Core Requi	rement	3
	Kent Core Requi	rement	3
	Kent Core Requirement		3
	Kent Core Requi	rement	3
		Credit Hours	66
	Semester One		
	General Elective	s	9
		Credit Hours	9
	Semester Two		
	Kent Core Requi	rement	3
	Kent Core Requi	rement	3
	Kent Core Requi	rement	1
		Credit Hours	7

	Semester Thre	e	
!	RIS 34084	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY I	2
!	RIS 44031	PATIENT MANAGEMENT IN MAGNETIC RESONANCE IMAGING	2
!	RIS 44044	MAGNETIC RESONANCE IMAGING PROCEDURES	2
!	RIS 44051	MAGNETIC RESONANCE EQUIPMENT AND IMAGE ACQUISITION I	2
!	RIS 44088	LEADERSHIP IN MEDICAL IMAGING	1
!	RIS 44096	INDIVIDUAL INVESTIGATION IN MEDICAL IMAGING DIRECTED READINGS	3
!	Clinical Electiv	e	2
	General Electiv	ves .	2
		Credit Hours	16
	Semester Four		
!	RIS 34086	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY II	2
!	RIS 44045	MAGNETIC RESONANCE IMAGING PROCEDURES	2
!	RIS 44052	MAGNETIC RESONANCE EQUIPMENT AND IMAGE ACQUISITION II	2
!	RIS 44052 RIS 44083		3
·		IMAGE ACQUISITION II	
·	RIS 44083	IMAGE ACQUISITION II PATHOPHYSIOLOGY FOR MEDICAL IMAGING RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
!	RIS 44083 RIS 44098	IMAGE ACQUISITION II PATHOPHYSIOLOGY FOR MEDICAL IMAGING RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
!	RIS 44083 RIS 44098	IMAGE ACQUISITION II PATHOPHYSIOLOGY FOR MEDICAL IMAGING RESEARCH IN MEDICAL IMAGING (ELR) (WIC) e Credit Hours	3 3 2
!	RIS 44083 RIS 44098 Clinical Electiv	IMAGE ACQUISITION II PATHOPHYSIOLOGY FOR MEDICAL IMAGING RESEARCH IN MEDICAL IMAGING (ELR) (WIC) e Credit Hours	3 3 2
!	RIS 44083 RIS 44098 Clinical Electiv	IMAGE ACQUISITION II PATHOPHYSIOLOGY FOR MEDICAL IMAGING RESEARCH IN MEDICAL IMAGING (ELR) (WIC) e Credit Hours er Term MAGNETIC RESONANCE IMAGING TECHNIQUES	3 3 2 14
!	RIS 44083 RIS 44098 Clinical Electiv Second Summ RIS 44066	IMAGE ACQUISITION II PATHOPHYSIOLOGY FOR MEDICAL IMAGING RESEARCH IN MEDICAL IMAGING (ELR) (WIC) e Credit Hours er Term MAGNETIC RESONANCE IMAGING TECHNIQUES e	3 3 2 14
!	RIS 44083 RIS 44098 Clinical Electiv Second Summ RIS 44066 Clinical Electiv	IMAGE ACQUISITION II PATHOPHYSIOLOGY FOR MEDICAL IMAGING RESEARCH IN MEDICAL IMAGING (ELR) (WIC) e Credit Hours er Term MAGNETIC RESONANCE IMAGING TECHNIQUES e	3 3 2 14

Radiation Therapy Concentration for A.S. Degree graduates or Freshman

Semester One		Credits
CIS 24053 or CS 10001 or IT 11000	INTRODUCTION TO INFORMATION SYSTEMS AND DIGITAL TECHNOLOGIES or COMPUTER LITERACY or INTRODUCTION TO OFFICE PRODUCTIVITY APPS	3
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
UC 10001	FLASHES 101	1
Kent Core Requ	uirement	3
General Electiv	es	2
	Credit Hours	12
Semester Two		
MATH 11009 or MATH 1101	MODELING ALGEBRA (KMCR) or ALGEBRA FOR CALCULUS (KMCR) 0	3-4
Kent Core Requ	Kent Core Requirement	
Kent Core Requ	uirement	3

	General Elective	es	3
		Credit Hours	12
	Semester Three		
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	General Elective	es	6
		Credit Hours	12
	Semester Four		
	COMM 15000	INTRODUCTION TO HUMAN COMMUNICATION	3
		(KADL)	
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	General Elective	es	7
		Credit Hours	16
	Semester Five		
	BSCI 11010	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I	3-4
	or	(KBS) (KLAB)	
	BSCI 11020	or FOUNDATIONAL ANATOMY AND	
		PHYSIOLOGY II (KBS) (KLAB)	
	General Elective	es	6
		Credit Hours	10
	Semester Six		
	HED 14020	MEDICAL TERMINOLOGY	3
	PHY 13001	GENERAL COLLEGE PHYSICS I (KBS)	3-5
	& PHY 13021	and GENERAL COLLEGE PHYSICS LABORATORY	
	or DUV 10111	I (KBS) (KLAB)	
	PHY 12111	or PHYSICS FOR HEALTH TECHNOLOGIES	0.4
	BSCI 11020 or	FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	3-4
	BSCI 21020	or ANATOMY AND PHYSIOLOGY II	
	General Elective		3
	Ocheral Elective	Credit Hours	13
	Semester Sever		
	RIS 34003	RADIATION THERAPY PRINCIPLES AND	3
•	1113 34003	PRACTICE I	3
!	RIS 34004	RADIATION THERAPY PATIENT MANAGEMENT	3
	RIS 34008	RADIATION THERAPY PHYSICS I	3
·	BIS 34030	RADIATION THERAPY CLINICAL EDUCATION I	1
!	RIS 34083	SECTIONAL ANATOMY IN MEDICAL IMAGING	3
	RIS 44000	INTRODUCTION TO RADIATION THERAPY	2
	NIS 44000	Credit Hours	
	Camanday Field		15
!	Semester Eight	RADIATION THERAPY PRINCIPLES AND	0
•	RIS 44009	PRACTICE II	2
!	RIS 44018	RADIATION THERAPY PHYSICS II	3
!	RIS 44018	RADIATION THERAPY PATHOLOGY I	
!	RIS 44053	RADIATION THERAPY CLINICAL EDUCATION II	3
			3
!	RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
	Famil 0	Credit Hours	14
	Fourth Summer		
!	RIS 44028	RADIATION THERAPY RADIOBIOLOGY	3
!	RIS 44042	RADIATION THERAPY PATHOLOGY II	3
	RIS 44058	RADIATION THERAPY CLINICAL EDUCATION III	2
		Credit Hours	8
	Semester Nine		
1	RIS 44038	RADIATION THERAPY PHYSICS III	3
	RIS 44041	RADIATION THERAPY QUALITY MANAGEMENT	2

	Minimum Total Credit Hours:	120
	Credit Hours	8
RIS 44067	RADIATION THERAPY CLINICAL EDUCATION IV	3

Radiation Therapy Concentration for A.A.S. Radiologic Technology graduates

This roadmap is a recommended semester-by-semester plan of study for this program. Students will work with their advisor to develop a sequence based on their academic goals and history. Courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

	Semester Prerequisite		
	Technical requirements in Radiologic Technology		
Biology (BSCI) Electives, choose from the following			6-8
		FOUNDATIONAL ANATOMY AND PHYSIOLOGY I 0(KBS) (KLAB) and FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	
		ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) Cand ANATOMY AND PHYSIOLOGY II	
	AHS 24010 or HED 14020	MEDICAL TERMINOLOGY or MEDICAL TERMINOLOGY	1-3
	MATH 11009 or MATH 11010	MODELING ALGEBRA (KMCR) or ALGEBRA FOR CALCULUS (KMCR))	3-4
	PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
	UC 10001	FLASHES 101	1
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
		Credit Hours	62
	Semester One		
	COMM 15000	INTRODUCTION TO HUMAN COMMUNICATION (KADL)	3
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
		Credit Hours	15
	Semester Two		
!	RIS 34003	RADIATION THERAPY PRINCIPLES AND PRACTICE I	3
!	RIS 34004	RADIATION THERAPY PATIENT MANAGEMENT	3
!	RIS 34008	RADIATION THERAPY PHYSICS I	3
!	RIS 34030	RADIATION THERAPY CLINICAL EDUCATION I	1
!	RIS 34083	SECTIONAL ANATOMY IN MEDICAL IMAGING	3
		Credit Hours	13
	Semester Three		
!	RIS 44009	RADIATION THERAPY PRINCIPLES AND PRACTICE II	2
!	RIS 44018	RADIATION THERAPY PHYSICS II	3
!	RIS 44029	RADIATION THERAPY PATHOLOGY I	3
!	RIS 44053	RADIATION THERAPY CLINICAL EDUCATION II	3
!	RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
		Credit Hours	14
	Second Summe	r Term	
!	RIS 44028	RADIATION THERAPY RADIOBIOLOGY	3
!	RIS 44042	RADIATION THERAPY PATHOLOGY II	3

	RIS 44058	RADIATION THERAPY CLINICAL EDUCATION III	2
		Credit Hours	8
	Semester Five		
1	RIS 44038	RADIATION THERAPY PHYSICS III	3
!	RIS 44041	RADIATION THERAPY QUALITY MANAGEMENT	2
	RIS 44067	RADIATION THERAPY CLINICAL EDUCATION IV	3
		Credit Hours	8
		Minimum Total Credit Hours:	120

Radiation Therapy Concentration for A.T.S. Radiologic Technology graduates (with certification)

	Semester Prerequisite		Credits
!	Associate of Teo	chnical Studies in Radiologic Technology	32
	BSCI 10001	HUMAN BIOLOGY (KBS)	3
	CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3
	or CHEM 10055	or MOLECULES OF LIFE (KBS)	
	COMM 15000	INTRODUCTION TO HUMAN COMMUNICATION	3
	COMM 15000	(KADL)	3
	CIS 24053	INTRODUCTION TO INFORMATION SYSTEMS	3
		AND DIGITAL TECHNOLOGIES	
	or IT 11000	or COMPUTER LITERACY or INTRODUCTION TO OFFICE PRODUCTIVITY	
		APPS	
	MATH 11009	MODELING ALGEBRA (KMCR)	3-4
	or MATH 11010	or ALGEBRA FOR CALCULUS (KMCR)	
	PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
	UC 10001	FLASHES 101	1
	Kent Core Requi	rement	3
	Kent Core Requi	rement	3
	Kent Core Requi	rement	3
	Kent Core Requi	rement	3
	Kent Core Requi	rement	3
		Credit Hours	66
	Semester One		
	COMM 15000	INTRODUCTION TO HUMAN COMMUNICATION (KADL)	3
	Kent Core Requi	rement	3
	Kent Core Requi	rement	1
	General Elective	s	4
		Credit Hours	11
	Semester Two		
!	RIS 34003	RADIATION THERAPY PRINCIPLES AND PRACTICE I	3
!	RIS 34004	RADIATION THERAPY PATIENT MANAGEMENT	3
!	RIS 34008	RADIATION THERAPY PHYSICS I	3
!	RIS 34030	RADIATION THERAPY CLINICAL EDUCATION I	1
!	RIS 34083	SECTIONAL ANATOMY IN MEDICAL IMAGING	3
		Credit Hours	13
	Semester Three		
!	RIS 44009	RADIATION THERAPY PRINCIPLES AND PRACTICE II	2

!	RIS 44018	RADIATION THERAPY PHYSICS II	3
!	RIS 44029	RADIATION THERAPY PATHOLOGY I	3
!	RIS 44053	RADIATION THERAPY CLINICAL EDUCATION II	3
!	RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
		Credit Hours	14
	Second Summ	er Term	
!	RIS 44028	RADIATION THERAPY RADIOBIOLOGY	3
!	RIS 44042	RADIATION THERAPY PATHOLOGY II	3
	RIS 44058	RADIATION THERAPY CLINICAL EDUCATION III	2
		Credit Hours	8
	Semester Five		
!	RIS 44038	RADIATION THERAPY PHYSICS III	3
!	RIS 44041	RADIATION THERAPY QUALITY MANAGEMENT	2
	RIS 44067	RADIATION THERAPY CLINICAL EDUCATION IV	3
		Credit Hours	8
		Minimum Total Credit Hours:	120

University Requirements

All students in a bachelor's degree program at Kent State University must complete the following university requirements for graduation.

NOTE: University requirements may be fulfilled in this program by specific course requirements. Please see Program Requirements for details.

course requirements. Frease see Frogram riequirements to	i details.			
Flashes 101 (UC 10001)	1 credit hour			
Course is not required for students with 30+ transfer credits (excluding College Credit Plus) or age 21+ at time of admission.				
Diversity Domestic/Global (DIVD/DIVG)	2 courses			
Students must successfully complete one domestic and one glo course, of which one must be from the Kent Core.	bal			
Experiential Learning Requirement (ELR)	varies			
Students must successfully complete one course or approved experience.				
Kent Core (see table below)	36-37 credit hours			
Writing-Intensive Course (WIC)	1 course			
Students must earn a minimum C grade in the course.				
Upper-Division Requirement	39 credit hours			
Students must successfully complete 39 upper-division (numbe 30000 to 49999) credit hours to graduate.	red			
Total Credit Hour Requirement	120 credit hours			
Kent Core Requirements				

Kent Core Composition (KCMP)	6
Kent Core Mathematics and Critical Reasoning (KMCR)	3
Kent Core Humanities and Fine Arts (KHUM/KFA) (min one course each)	9
Kent Core Social Sciences (KSS) (must be from two disciplines)	6
Kent Core Basic Sciences (KBS/KLAB) (must include one laboratory)	6-7
Kent Core Additional (KADL)	6
Total Credit Hours:	36-37

Program Learning Outcomes

Graduates of the Computed Tomography concentrations will be able to:

- 1. Effectively utilize critical thinking and problem-solving skills when performing computed tomography procedures.
- Communicate effectively in oral and written form with patients, families and members of the health care team.
- Perform Computed Tomography procedures successfully and consistent with entry-level requirements of a registered CT technologist. Successfully perform computed tomography procedures.
- 4. Determine the value of professional growth and development and to conduct themselves in a professional manner.

Graduates of the Diagnostic Medical Sonography concentrations will be able to:

- Effectively utilize critical thinking and problem-solving skills in the practice of diagnostic medical sonography.
- Use oral and written communication skills with members of the health care team.
- Successfully perform sonographic procedures consistent with entrylevel requirements.
- Determine the value of professional growth and development and conduct themselves in a professional manner.

Graduates of the Magnetic Resonance Imaging concentrations will be able to:

- Effectively utilize critical thinking and problem-solving skills when performing magnetic resonance imaging procedures.
- Communicate effectively in oral and written form with patients, families and members of the health care team.
- Perform Magnetic Resonance Imaging procedures successfully and consistent with entry-level requirements of a registered MRI technologist.
- Determine the value of professional growth and development and to conduct themselves in a professional manner.

Graduates of the Radiation Therapy concentrations will be able to:

- Use critical thinking and problem-solving skills in the practice of radiation therapy.
- Effectively communicate in oral and written form with members of the health care team.
- 3. Successfully perform radiation therapy procedures consistent with entry-level requirements.
- 4. Determine the value of professional growth and development and to conduct themselves in a professional manner.

Full Description

The Bachelor of Radiologic and Imaging Sciences Technology degree is designed for students pursuing studies related to medical imaging. Job opportunities for CT and MRI technologists, sonographers and therapists exist in hospitals, surgical centers, clinics, physician offices and other healthcare facilities.

The Radiologic and Imaging Sciences major comprising the following concentrations:

- The Computed Tomography concentration uses specialized x-ray equipment to create sectional images of the human body. Each crosssectional image reveals complex information about body structures that are used for a variety of reasons (i.e., diagnostic, treatment planning, interventional or screening).
 - Computed Tomography concentration for students who completed an A.A.S. degree in Radiologic Technology, Nuclear Medicine or Radiation Therapy
 - Computed Tomography concentration for students who completed a hospital-based certificate or A.T.S. degree in Radiologic Technology and American Registry of Radiologic Technologist certification examination
- The Diagnostic Medical Sonography concentration uses medical ultrasound (high frequency sound waves that produce images of internal structures) to diagnose a variety of conditions and diseases, as well as monitor fetal development.
 - Diagnostic Medical Sonography concentration for new students (freshmen) and students who completed an associate degree
 - Diagnostic Medical Sonography concentration for students who completed an A.A.S. degree in Radiologic Technology
 - Diagnostic Medical Sonography concentration for students who completed a hospital-based certificate program or A.T.S. degree in Radiologic Technology and American Registry of Radiologic Technologist certification examination
- The Magnetic Resonance Imaging concentration uses a powerful magnet, radio waves, and computers to create sectional images of the human body. The images reveal complex information about body structures and the chemical changes that occur as a result of the onset of disease.
 - Magnetic Resonance Imaging concentration for students who completed an A.A.S. degree in Radiologic Technology, Nuclear Medicine or Radiation Therapy
 - Magnetic Resonance Imaging concentration for students who completed a hospital-based certificate or A.T.S. degree in Radiologic Technology and American Registry of Radiologic Technologist certification examination
- The Radiation Therapy concentration uses specialized high energy treatment units to administer therapeutic doses of radiation to cancer patients.
 - Radiation Therapy concentration for new students (freshmen) and students who completed an associate degree
 - Radiation Therapy concentration for students who completed an A.A.S. degree in Radiologic Technology
 - Radiation Therapy concentration for students who completed a hospital-based certificate program or A.T.S. degree in Radiologic Technology and American Registry of Radiologic Technologist certification examination

Professional Licensure Disclosure

This program is designed to prepare students to sit for applicable licensure or certification in Ohio. If you plan to pursue licensure or certification in a state other than Ohio, please review state educational requirements for licensure or certification and contact information for state licensing boards at Kent State's website for professional licensure disclosure.