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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.

Joint Review Committee on Education in Radiologic Technology

20 N. Wacker Dr. Suite 2850 Chicago, IL 60606-381 Phone: 312-704-5300 E: mail@jrcert.org http://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 who graduated from high school three or more years ago.

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 English language proficiency (unless they meet specific exceptions) by earning a minimum 525 TOEFL score (71 on the Internet-based version), minimum 75 MELAB score, minimum 6.0 IELTS score or minimum 48 PTE Academic score, or by completing the ELS level 112 Intensive Program. For more information, visit the admissions website for international students.

Transfer Students: Students who have attended any other educational institution after graduating from high school must apply as undergraduate transfer students. For more information, visit the admissions website for transfer students.

Former Students: Former Kent State students or graduates who have not attended another college or university since Kent State may complete the reenrollment or reinstatement form on the University Registrar's website.

Code

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

Some programs may require that students meet certain requirements before progressing through the program. For programs with progression requirements, the information is shown on the program's Coursework tab.

Program Requirements

Major Requirements

Computed Tomography Concentration Requirements

Credit

Code

		Hours
•	rements (courses count in major GPA; min C grade	
required in all RIS co	,	0
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 44004	COMPUTED TOMOGRAPHY CLINICAL EDUCATION I	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 44054	COMPUTED TOMOGRAPHY CLINICAL EDUCATION II	2
RIS 44062	COMPUTED TOMOGRAPHY IMAGE PRODUCTION II	2
RIS 44068	COMPUTED TOMOGRAPHY TECHNIQUES	2
RIS 44069	COMPUTED TOMOGRAPHY CLINICAL EDUCATION III	1
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
Additional Requirem	ents (courses do not count in major GPA)	
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3
or CHEM 10055	MOLECULES OF LIFE (KBS)	
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 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 ipper-division credit hours) 1	48
Additional Concentra GPA), choose from the	ation Requirements (courses do not count in major	7-11
**	.S. Radiologic Technology graduates ^{CTRT}	
	ves, choose from the following ²	6-8
BSCI 11010	FOUNDATIONAL ANATOMY AND PHYSIOLOGY	0-0
& BSCI 11020	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	
HED 14020	MEDICAL TERMINOLOGY	1-3
or AHS 24010	MEDICAL TERMINOLOGY	
Concentration for for certification)	A.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 Scie	nces (must include one laboratory)	1
Minimum Total Credit Hours:		

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).

Credit

Diagnostic Medical Sonography Concentration Requirements

Title

		Hours
Concentration Require required in all RIS cou	ements (courses count in major GPA; min C grade urses)	
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 Composition	on	6
Kent Core Humanities and Fine Arts (minimum one course from each)		
Kent Core Social Scie	nces (must be from two disciplines)	3
Kent Core Additional		6

	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
**	Degree graduates or Freshman ^{FRAS}	
	res, 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		
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
	nces (must include one laboratory)	3
Concentration for A.A.S.	S Radiologic Technology graduates ^{RTAS}	
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	
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3
or CHEM 10055	MOLECULES OF LIFE (KBS)	
HED 14020	MEDICAL TERMINOLOGY	1-3
or AHS 24010	MEDICAL TERMINOLOGY	
Concentration for A.T.S certification)	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 Scier	nces (must include one laboratory)	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).

120

Minimum Total Credit Hours:

Magnetic Resonance Imaging Concentration Requirements

Requirements				
Code	Title	Credit Hours		
Concentration Requirements (courses count in major GPA; min C grade required in RIS all courses)				
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 44003	MAGNETIC RESONANCE IMAGING CLINICAL EDUCATION I	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 44063	MAGNETIC RESONANCE IMAGING CLINICAL EDUCATION II	2		
RIS 44066	MAGNETIC RESONANCE IMAGING TECHNIQUES	2		
RIS 44073	MAGNETIC RESONANCE IMAGING CLINICAL EDUCATION III	1		
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		
Additional Requireme	ents (courses do not count in major GPA)			
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3		
or CHEM 10055	MOLECULES OF LIFE (KBS)			
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 6		
Kent Core Humanitie	s and Fine Arts (minimum one course from each)	9		
	ences (must be from two disciplines)	3		
Kent Core Additional	, ,	6		
General Electives (tot	tal credit hours depends on earning 120 credit pper-division credit hours) ¹	48		
	tion Requirements (courses do not count in major	7-11		
Concentration for A.A.	S. Radiologic Technology graduates ^{MRRT}			
	ves, 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			
HED 14020	MEDICAL TERMINOLOGY	1-3		
or AHS 24010	MEDICAL TERMINOLOGY			
	S. Radiologic Technology graduates (with			

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).

Minimum Total Credit Hours:		120
Kent Core Basic Sciences (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

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 Requirements (courses count in major GPA; min C grade required in all RIS courses)			
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 Requirements (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 Humanities	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			
Biology (BSCI) Electives, choose from the following:			

D00111010	FOUNDATIONAL ANATOLOGIAN AND BUNGLES CO.	
BSCI 11010 & BSCI 11020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
& B3CI 11020	and FOUNDATIONAL ANATOMY AND	
	PHYSIOLOGY II (KBS) (KLAB)	
BSCI 21010	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
& BSCI 21020	and ANATOMY AND PHYSIOLOGY II 2	
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	GENERAL COLLEGE PHYSICS I (KBS)	3-5
& PHY 13021	and GENERAL COLLEGE PHYSICS	
DUV 10111	LABORATORY I (KBS) (KLAB)	
or PHY 12111	PHYSICS FOR HEALTH TECHNOLOGIES	0
RIS 44000	INTRODUCTION TO RADIATION THERAPY	2
	nces (must include one laboratory)	3
	S. Radiologic Technology graduates ^{RTAA}	
	res, choose from the following: ²	6-8
BSCI 11010 & BSCI 11020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
& D3C1 11020	and FOUNDATIONAL ANATOMY AND	
	PHYSIOLOGY II (KBS) (KLAB)	
BSCI 21010	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
& BSCI 21020	and ANATOMY AND PHYSIOLOGY II	
CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3
or CHEM 10055	MOLECULES OF LIFE (KBS)	
HED 14020	MEDICAL TERMINOLOGY	1-3
or AHS 24010	MEDICAL TERMINOLOGY	
Concentration for A.T.S certification)	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).

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:

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).

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

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 major. However, 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 major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

	Semester Prerequisite		
!	Technical requi	rements in Radiologic Technology	40
	Biology (BSCI)	Electives, choose from the following:	6-8
	BSCI 11010 FOUNDATIONAL ANATOMY AND PHYSIOLOGY I		
	& BSCI 1102	20(KBS) (KLAB)	
		and FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	
	BSCI 21010	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	
	& BSCI 2102	2Cand ANATOMY AND PHYSIOLOGY II	
	CHEM 10050	FUNDAMENTALS OF CHEMISTRY (KBS)	3
	or CHEM 1005	or MOLECULES OF LIFE (KBS)	
	HED 14020	MEDICAL TERMINOLOGY	1-3
	or	or MEDICAL TERMINOLOGY	1-3
	AHS 24010	0270.12 . 20250 .	
	MATH 11009	MODELING ALGEBRA (KMCR)	3-4
	or	or ALGEBRA FOR CALCULUS (KMCR)	
	MATH 1101	•	
	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	iirement	3
	Kent Core Requ	iirement	3
	Kent Core Requ	iirement	3
	General Electiv	es	3
		Credit Hours	12
	Semester Two		
	Kent Core Requ	iirement	3
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3

	General Electives		5
		Credit Hours	14
	Semester Three	2	
!	RIS 34084	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY I	2
!	RIS 44004	COMPUTED TOMOGRAPHY CLINICAL EDUCATION I	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 44088	LEADERSHIP IN MEDICAL IMAGING	1
!	RIS 44096	INDIVIDUAL INVESTIGATION IN MEDICAL IMAGING DIRECTED READINGS	3
		Credit Hours	14
	Semester Four		
!	RIS 34086	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY II	2
!	RIS 44048	COMPUTED TOMOGRAPHY PROCEDURES II	2
!	RIS 44054	COMPUTED TOMOGRAPHY CLINICAL EDUCATION II	2
!	RIS 44062	COMPUTED TOMOGRAPHY IMAGE PRODUCTION II	2
. !	RIS 44083	PATHOPHYSIOLOGY FOR MEDICAL IMAGING	3
1	RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
		Credit Hours	14
	Semester Five		
!	RIS 44068	COMPUTED TOMOGRAPHY TECHNIQUES	2
!	RIS 44069	COMPUTED TOMOGRAPHY CLINICAL EDUCATION III	1
		Credit Hours	3
		Minimum Total Credit Hours:	120

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

	Semester Prere	quisite	Credits
!	Associate of Te	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 or COMPUTER LITERACY or 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	irements	3
	Kent Core Requi	irements	3
	Kent Core Requi	irements	3
	Kent Core Requi	irements	3

Kent Core Requ	irements	3
Kent Core Requ	irements	3
	Credit Hours	66
Semester One		
Kent Core Requ	irements	3
General Elective	es ·	9
	Credit Hours	12
Semester Two		
Kent Core Requ	irement	3
Kent Core Requ	irement	1
General Elective	es	7
	Credit Hours	11
Semester Three		
RIS 34084	COMPUTED TOMOGRAPHY AND MAGNETIC	2
	RESONANCE IMAGING SECTIONAL ANATOMY I	
RIS 44004	COMPUTED TOMOGRAPHY CLINICAL EDUCATION I	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 44088	LEADERSHIP IN MEDICAL IMAGING	1
RIS 44096	INDIVIDUAL INVESTIGATION IN MEDICAL IMAGING DIRECTED READINGS	3
	Credit Hours	14
Semester Four		
RIS 34086	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY II	2
RIS 44048	COMPUTED TOMOGRAPHY PROCEDURES II	2
RIS 44054	COMPUTED TOMOGRAPHY CLINICAL EDUCATION II	2
RIS 44062	COMPUTED TOMOGRAPHY IMAGE PRODUCTION II	2
RIS 44083	PATHOPHYSIOLOGY FOR MEDICAL IMAGING	3
RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
	Credit Hours	14
Semester Five		
RIS 44068	COMPUTED TOMOGRAPHY TECHNIQUES	2
RIS 44069	COMPUTED TOMOGRAPHY CLINICAL EDUCATION III	1
	Credit Hours	3
	Minimum Total Credit Hours:	120

Diagnostic Medical Sonography 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 OF COMPUTER LITERACY OF INTRODUCTION TO OFFICE PRODUCTIVITY APPS	3
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
UC 10001	FLASHES 101	1
Kent Core Requi	irement	3

	General Elective	es	3
		Credit Hours	13
	Semester Two		
	MATH 11009	MODELING ALGEBRA (KMCR)	3-4
	or MATH 11010	or ALGEBRA FOR CALCULUS (KMCR)	
	Kent Core Regu		3
	Kent Core Regu		3
	Kent Core Requ		3
	General Elective		3
		Credit Hours	15
	Semester Three	1	
	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 BSCI 21010	(KBS) (KLAB) or ANATOMY AND PHYSIOLOGY I (KBS)	
	B00121010	(KLAB)	
	General Elective	28	8
		Credit Hours	12
	Semester Six		
	Semester Six HED 14020	MEDICAL TERMINOLOGY	3
		MEDICAL TERMINOLOGY GENERAL COLLEGE PHYSICS I (KBS)	3 3-5
	HED 14020	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY	
	HED 14020 PHY 13001 & PHY 13021 or	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)	
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES	3-5
	HED 14020 PHY 13001 & PHY 13021 or	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)	
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES FOUNDATIONAL ANATOMY AND PHYSIOLOGY II	3-5
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or	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	3-5
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020	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	3-5
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020	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 CS Credit Hours	3-5
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective	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	3-5
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective	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 2S Credit Hours Ferm INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY	3-4 3-4 13
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer 1 RIS 34001	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 SS Credit Hours Term INTRODUCTION TO DIAGNOSTIC MEDICAL SONOGRAPHY Credit Hours	3-4 3-4 3
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer 1 RIS 34001	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	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	and 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	3-4 3-4 13
	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer 1 RIS 34001 Semester Sever	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 n PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY	3-5 3-4 3 13 1 1
!	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer 1 RIS 34001 Semester Sever RIS 34040 RIS 34042	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	3-5 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 1 RIS 34001 Semester Sever RIS 34042 RIS 34044	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	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	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 28 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	3-5 3-4 3 13 1 3 3 3 2
! ! !	HED 14020 PHY 13001 & PHY 13021 or PHY 12111 BSCI 11020 or BSCI 21020 General Elective Third Summer 1 RIS 34001 Semester Sever RIS 34042 RIS 34044	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	3-5 3-4 3 13 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 Seven RIS 34040 RIS 34044 RIS 34045 RIS 34083	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 SECTIONAL ANATOMY IN MEDICAL IMAGING Credit Hours	3-5 3-4 3 13 1 3 3 3 2
! ! !	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	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 SECTIONAL ANATOMY IN MEDICAL IMAGING Credit Hours	3-5 3-4 3 13 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 34083 Semester Eight	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 SECTIONAL ANATOMY IN MEDICAL IMAGING Credit Hours	3-5 3-4 3 13 1 3 3 3 2 3 14
!!!!!	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 RIS 34052	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 SECTIONAL ANATOMY IN MEDICAL IMAGING Credit Hours ABDOMINAL SONOGRAPHY II	3-5 3-4 3 13 1 3 3 3 2 3 14
!!!!	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 RIS 34052 RIS 34060	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 SS 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 SECTIONAL ANATOMY IN MEDICAL IMAGING Credit Hours ABDOMINAL SONOGRAPHY II ULTRASOUND CLINICAL EDUCATION II	3-5 3-4 3 13 1 3 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 major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

	Semester Prer	equisite	Credits
	Technical requ	irements in Radiologic Technology	35
		Electives, choose from the following:	6-8
) FOUNDATIONAL ANATOMY AND PHYSIOLOGY I 20(KBS) (KLAB) and FOUNDATIONAL ANATOMY AND	
		PHYSIOLOGY II (KBS) (KLAB)	
		O ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) 2C and ANATOMY AND PHYSIOLOGY II	
	CHEM 10050 or CHEM 1005	FUNDAMENTALS OF CHEMISTRY (KBS) or MOLECULES OF LIFE (KBS) 55	3
	HED 14020 or AHS 24010	MEDICAL TERMINOLOGY or MEDICAL TERMINOLOGY	1-3
	MATH 11009 or MATH 1101	or ALGEBRA FOR CALCULUS (KMCR)	3-4
	PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
	UC 10001	FLASHES 101	1
	Kent Core Req	uirement	3
	Kent Core Req	uirement	3
		Credit Hours	58
	Semester One		
	Kent Core Req	uirement	3
	Kent Core Req	uirement	3
	Kent Core Req	uirement	3
	Kent Core Req	uirement	3
	Kent Core Req	uirement	3
	Kent Core Req	uirement	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 Thre	•	
!	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
	Semester Four	Credit Hours	16
	RIS 34075	ULTRASOUND CLINICAL EDUCATION III	2
	RIS 34072	SUPERFICIAL STRUCTURES SONOGRAPHY	2
!	RIS 44072	OBSTETRICS AND GYNECOLOGY SONOGRAPHY	3
!	RIS 44084	ULTRASOUND IMAGE EVALUATION	1
_		Credit Hours	8

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

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

	Semester Prere	Semester Prerequisite		
	Associate of Te	chnical Studies in Radiologic Technology	32	
	BSCI 10001	HUMAN BIOLOGY (KBS)	3	
	CHEM 10050 or CHEM 1005	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 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	
	Kent Core Requ	irement	3	
	Kent Core Requ		3	
	Kent Core Requ		3	
	Kent Core Requ		3	
	Semester One	Credit Hours	66	
	Kent Core Regu	irement	3	
	Kent Core Regu		1	
	Kent Core Regu		3	
	General Elective	28	3	
			0	
		Credit Hours	10	
	Semester Two	Credit Hours		
!	Semester Two RIS 34040	PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY		
!		PATIENT MANAGEMENT IN DIAGNOSTIC	10	
	RIS 34040	PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY	10 3	
!	RIS 34040 RIS 34042	PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY ABDOMINAL SONOGRAPHY I	3 3	
!	RIS 34040 RIS 34042 RIS 34044	PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY ABDOMINAL SONOGRAPHY I ULTRASOUND PHYSICS AND INSTRUMENTATION	3 3 3	
!!!	RIS 34040 RIS 34042 RIS 34044 RIS 34045	PATIENT MANAGEMENT IN DIAGNOSTIC MEDICAL SONOGRAPHY ABDOMINAL SONOGRAPHY I ULTRASOUND PHYSICS AND INSTRUMENTATION ULTRASOUND CLINICAL EDUCATION I	3 3 3 2	
!!!	RIS 34040 RIS 34042 RIS 34044 RIS 34045	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 3 2 3	
!!!	RIS 34040 RIS 34042 RIS 34044 RIS 34045 RIS 34083	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 3 2 3	
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	RIS 34040 RIS 34042 RIS 34044 RIS 34045 RIS 34083 Semester Three	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 ULTRASOUND CLINICAL EDUCATION II	3 3 3 2 3 14	
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	RIS 34040 RIS 34042 RIS 34044 RIS 34045 RIS 34083 Semester Three RIS 34052	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 ULTRASOUND CLINICAL EDUCATION II OBSTETRICS AND GYNECOLOGY SONOGRAPHY I	3 3 3 2 3 14	
!!!!!!!!!!!	RIS 34040 RIS 34042 RIS 34044 RIS 34045 RIS 34083 Semester Three RIS 34052 RIS 34060 RIS 34062 RIS 34083	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 ULTRASOUND CLINICAL EDUCATION II OBSTETRICS AND GYNECOLOGY SONOGRAPHY I PATHOPHYSIOLOGY FOR MEDICAL IMAGING	3 3 3 2 3 14 3 4 3	
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	RIS 34040 RIS 34042 RIS 34044 RIS 34045 RIS 34083 Semester Three RIS 34052 RIS 34060 RIS 34062	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 ULTRASOUND CLINICAL EDUCATION II OBSTETRICS AND GYNECOLOGY SONOGRAPHY I PATHOPHYSIOLOGY FOR MEDICAL IMAGING RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3 3 3 2 3 14 3 4 3 3	
!!!!!!!!!!!	RIS 34040 RIS 34042 RIS 34044 RIS 34045 RIS 34083 Semester Three RIS 34052 RIS 34060 RIS 34062 RIS 34062 RIS 44083 RIS 44098	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 ULTRASOUND CLINICAL EDUCATION II OBSTETRICS AND GYNECOLOGY SONOGRAPHY I PATHOPHYSIOLOGY FOR MEDICAL IMAGING	3 3 3 2 3 14 3 4 3	
!!!!!!!!!!!	RIS 34040 RIS 34042 RIS 34044 RIS 34045 RIS 34083 Semester Three RIS 34052 RIS 34060 RIS 34062 RIS 34083	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 ULTRASOUND CLINICAL EDUCATION II OBSTETRICS AND GYNECOLOGY SONOGRAPHY I PATHOPHYSIOLOGY FOR MEDICAL IMAGING RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3 3 3 2 3 14 3 4 3 3	

		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

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

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

	Semester Prere		Credits
	· · · · · · · · · · · · · · · · · · ·	rements in Radiologic Technology	40
	3, ()	Electives, choose from the following:	6-8
		FOUNDATIONAL ANATOMY AND PHYSIOLOGY I 0(KBS) (KLAB) and FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	
	BSCI 21010 or BSCI 210	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II 2	
	CHEM 10050 or CHEM 10055	FUNDAMENTALS OF CHEMISTRY (KBS) or MOLECULES OF LIFE (KBS)	3
	HED 14020 or AHS 24010	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	irement	3
	Kent Core Requi	irement	3
		Credit Hours	63
	Semester One		
	Kent Core Requi		3
	Kent Core Requi		3
	Kent Core Requi		3
	Kent Core Requi		3
	General Elective		3
	Compostor Two	Credit Hours	15
	Semester Two	iromont	2
	Kent Core Requi		3
	General Elective		3 5
-	General Elective	Credit Hours	
	Semester Three		11
!	RIS 34084	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY I	2
!	RIS 44003	MAGNETIC RESONANCE IMAGING CLINICAL EDUCATION 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
		Credit Hours	14
	Semester Four		
!	RIS 34086	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY II	2

		Minimum Total Credit Hours:	120
		Credit Hours	3
!	RIS 44073	MAGNETIC RESONANCE IMAGING CLINICAL EDUCATION III	1
!	RIS 44066	MAGNETIC RESONANCE IMAGING TECHNIQUES	2
	Second Summe	r Term	
		Credit Hours	14
!	RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
!	RIS 44083	PATHOPHYSIOLOGY FOR MEDICAL IMAGING	3
!	RIS 44063	MAGNETIC RESONANCE IMAGING CLINICAL EDUCATION II	2
!	RIS 44052	MAGNETIC RESONANCE EQUIPMENT AND IMAGE ACQUISITION II	2
!	RIS 44045	MAGNETIC RESONANCE IMAGING PROCEDURES II	2

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

	Semester Prerequisite		
!	Associate of Te	chnical Studies in Radiologic Technology	32
	BSCI 10001	HUMAN BIOLOGY (KBS)	3
	OHEM 10050 or OHEM 10055	FUNDAMENTALS OF CHEMISTRY (KBS) or MOLECULES OF LIFE (KBS)	3
		INTRODUCTION TO INFORMATION SYSTEMS AND DIGITAL TECHNOLOGIES or COMPUTER LITERACY or 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	irement	3
	Kent Core Requirement		3
	Kent Core Requi	irement	3
	Kent Core Requi	irement	3
	Kent Core Requi	irement	3
	Kent Core Requirement		3
		Credit Hours	66
	Semester One		
	General Elective	es	9
		Credit Hours	9
	Semester Two		
	Kent Core Requi		3
	Kent Core Requi	irement	3
	Kent Core Requi		1
		Credit Hours	7
	Semester Three		
!	RIS 34084	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY I	2
!	RIS 44003	MAGNETIC RESONANCE IMAGING CLINICAL EDUCATION I	2

	RIS 44083 RIS 44098 Second Summe RIS 44066 RIS 44073 General Elective	MAGNETIC RESONANCE IMAGING TECHNIQUES MAGNETIC RESONANCE IMAGING CLINICAL EDUCATION III	3 3 14 2 1 5
	RIS 44098 Second Summe RIS 44066 RIS 44073	RESEARCH IN MEDICAL IMAGING (ELR) (WIC) Credit Hours T Term MAGNETIC RESONANCE IMAGING TECHNIQUES MAGNETIC RESONANCE IMAGING CLINICAL EDUCATION III	3 14 2 1
	RIS 44098 Second Summe RIS 44066	RESEARCH IN MEDICAL IMAGING (ELR) (WIC) Credit Hours ET Term MAGNETIC RESONANCE IMAGING TECHNIQUES MAGNETIC RESONANCE IMAGING CLINICAL	3 14 2
	RIS 44098 Second Summe	RESEARCH IN MEDICAL IMAGING (ELR) (WIC) Credit Hours er Term	3 14
	RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC) Credit Hours	3
		RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
	RIS 44083	PATHOPHYSIOLOGY FOR MEDICAL IMAGING	3
!			
!	RIS 44063	MAGNETIC RESONANCE IMAGING CLINICAL EDUCATION II	2
!	RIS 44052	MAGNETIC RESONANCE EQUIPMENT AND IMAGE ACQUISITION II	2
!	RIS 44045	MAGNETIC RESONANCE IMAGING PROCEDURES	2
!	RIS 34086	COMPUTED TOMOGRAPHY AND MAGNETIC RESONANCE IMAGING SECTIONAL ANATOMY II	2
	Semester Four		
		Credit Hours	16
	General Elective	?s	2
!	RIS 44096	INDIVIDUAL INVESTIGATION IN MEDICAL IMAGING DIRECTED READINGS	3
!	RIS 44088	LEADERSHIP IN MEDICAL IMAGING	1
!	RIS 44051	MAGNETIC RESONANCE EQUIPMENT AND IMAGE ACQUISITION I	2
!	RIS 44044	MAGNETIC RESONANCE IMAGING PROCEDURES	2
!	RIS 44031	PATIENT MANAGEMENT IN MAGNETIC RESONANCE IMAGING	2

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 Requi	rement	3
General Elective	s	2
	Credit Hours	12
Semester Two		
MATH 11009 or MATH 11010	MODELING ALGEBRA (KMCR) or ALGEBRA FOR CALCULUS (KMCR)	3-4
Kent Core Requi	rement	3
Kent Core Requi	rement	3
General Elective	s	3
	Credit Hours	12
Semester Three		
Kent Core Requi	rement	3
Kent Core Requi	rement	3

	General Elective	es	6
		Credit Hours	12
	Semester Four		
	COMM 15000	INTRODUCTION TO HUMAN COMMUNICATION (KADL)	3
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	General Elective	es	7
		Credit Hours	16
	Semester Five		
	BSCI 11010 or BSCI 11020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB) or FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	3-4
	General Elective	es	6
		Credit Hours	10
	Semester Six		
	HED 14020	MEDICAL TERMINOLOGY	3
	PHY 13001 & PHY 13021 or PHY 12111	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) or PHYSICS FOR HEALTH TECHNOLOGIES	3-5
	BSCI 11020 or BSCI 21020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB) or ANATOMY AND PHYSIOLOGY II	3-4
	General Elective		3
	General Liective	Credit Hours	13
	Semester Seve		13
!	RIS 34003	RADIATION THERAPY PRINCIPLES AND PRACTICE I	3
į.	RIS 34004	RADIATION THERAPY PATIENT MANAGEMENT	3
į.	RIS 34008	RADIATION THERAPY PHYSICS I	3
!	RIS 34030	RADIATION THERAPY CLINICAL EDUCATION I	1
!	RIS 34083	SECTIONAL ANATOMY IN MEDICAL IMAGING	3
	RIS 44000	INTRODUCTION TO RADIATION THERAPY	2
		Credit Hours	15
	Semester Eight		
!	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
į.	RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
		Credit Hours	14
	Fourth Summer	r Term	
!	RIS 44028	RADIATION THERAPY RADIOBIOLOGY	3
!	RIS 44042	RADIATION THERAPY PATHOLOGY II	3
	RIS 44058	RADIATION THERAPY CLINICAL EDUCATION III	2
	Semester Nine	Credit Hours	8
!	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

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

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

	Semester Prere	quisite	Credits
		rements in Radiologic Technology	39
		Electives, choose from the following	6-8
	BSCI 11010	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	
	CHEM 10050 or CHEM 10058	or MOLECULES OF LIFE (KBS)	3
	HED 14020 or AHS 24010	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

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

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

	Semester Prere	quisite	Credits
!	Associate of Te	chnical Studies in Radiologic Technology	32
	BSCI 10001	HUMAN BIOLOGY (KBS)	3
	CHEM 10050 or CHEM 1005	FUNDAMENTALS OF CHEMISTRY (KBS) or MOLECULES OF LIFE (KBS)	3
	COMM 15000	INTRODUCTION TO HUMAN COMMUNICATION (KADL)	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 Requ	irement	3
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
	Kent Core Requ	irement	3
		Credit Hours	66
	Semester One	Credit Hours	66
	Semester One COMM 15000	Credit Hours INTRODUCTION TO HUMAN COMMUNICATION (KADL)	66
		INTRODUCTION TO HUMAN COMMUNICATION (KADL)	
	COMM 15000	INTRODUCTION TO HUMAN COMMUNICATION (KADL) irement	3
	COMM 15000 Kent Core Requ	INTRODUCTION TO HUMAN COMMUNICATION (KADL) irement irement	3
	COMM 15000 Kent Core Requ Kent Core Requ	INTRODUCTION TO HUMAN COMMUNICATION (KADL) irement irement	3 1
	COMM 15000 Kent Core Requ Kent Core Requ	INTRODUCTION TO HUMAN COMMUNICATION (KADL) irement irement	3 1 4
·!	COMM 15000 Kent Core Requ Kent Core Requ General Elective	INTRODUCTION TO HUMAN COMMUNICATION (KADL) irement irement	3 1 4
!	COMM 15000 Kent Core Requ Kent Core Requ General Elective Semester Two	INTRODUCTION TO HUMAN COMMUNICATION (KADL) irement irement es Credit Hours RADIATION THERAPY PRINCIPLES AND	3 1 4 11
	COMM 15000 Kent Core Requ Kent Core Requ General Elective Semester Two RIS 34003	INTRODUCTION TO HUMAN COMMUNICATION (KADL) irement irement es Credit Hours RADIATION THERAPY PRINCIPLES AND PRACTICE I	3 3 1 4 11
!	Kent Core Requisite Kent Core Requisite General Elective Semester Two RIS 34003	INTRODUCTION TO HUMAN COMMUNICATION (KADL) irrement irrement is Credit Hours RADIATION THERAPY PRINCIPLES AND PRACTICE I RADIATION THERAPY PATIENT MANAGEMENT	3 1 4 11 3
!	COMM 15000 Kent Core Requ Kent Core Requ General Elective Semester Two RIS 34003 RIS 34004 RIS 34008	INTRODUCTION TO HUMAN COMMUNICATION (KADL) irrement irrement es Credit Hours RADIATION THERAPY PRINCIPLES AND PRACTICE I RADIATION THERAPY PATIENT MANAGEMENT RADIATION THERAPY PHYSICS I	3 1 4 11 3 3
!!!!	COMM 15000 Kent Core Requ Kent Core Requ General Elective Semester Two RIS 34003 RIS 34004 RIS 34008 RIS 34030	INTRODUCTION TO HUMAN COMMUNICATION (KADL) irement irement is Credit Hours RADIATION THERAPY PRINCIPLES AND PRACTICE I RADIATION THERAPY PATIENT MANAGEMENT RADIATION THERAPY PHYSICS I RADIATION THERAPY CLINICAL EDUCATION I	3 1 4 11 3 3 3
!!!!	COMM 15000 Kent Core Requ Kent Core Requ General Elective Semester Two RIS 34003 RIS 34004 RIS 34008 RIS 34030	INTRODUCTION TO HUMAN COMMUNICATION (KADL) irement irement is Credit Hours RADIATION THERAPY PRINCIPLES AND PRACTICE I RADIATION THERAPY PATIENT MANAGEMENT RADIATION THERAPY PHYSICS I RADIATION THERAPY CLINICAL EDUCATION I SECTIONAL ANATOMY IN MEDICAL IMAGING Credit Hours	3 1 4 11 3 3 3 1 3 3 3 3 3
!!!!	COMM 15000 Kent Core Requ Kent Core Requ General Elective Semester Two RIS 34003 RIS 34004 RIS 34008 RIS 34030 RIS 34030 RIS 34030	INTRODUCTION TO HUMAN COMMUNICATION (KADL) irement irement is Credit Hours RADIATION THERAPY PRINCIPLES AND PRACTICE I RADIATION THERAPY PATIENT MANAGEMENT RADIATION THERAPY PHYSICS I RADIATION THERAPY CLINICAL EDUCATION I SECTIONAL ANATOMY IN MEDICAL IMAGING Credit Hours	3 1 4 11 3 3 3 1 3 3 3 3 3
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	Kent Core Requisite Kent Core Requisite Core Requisite Core Requisite Semester Two RIS 34003 RIS 34004 RIS 34008 RIS 34030 RIS 34083 Semester Three	INTRODUCTION TO HUMAN COMMUNICATION (KADL) irrement irrement is Credit Hours RADIATION THERAPY PRINCIPLES AND PRACTICE I RADIATION THERAPY PATIENT MANAGEMENT RADIATION THERAPY PHYSICS I RADIATION THERAPY CLINICAL EDUCATION I SECTIONAL ANATOMY IN MEDICAL IMAGING Credit Hours RADIATION THERAPY PRINCIPLES AND	3 1 4 11 3 3 1 3 13
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	COMM 15000 Kent Core Requ Kent Core Requ General Elective Semester Two RIS 34003 RIS 34004 RIS 34008 RIS 34008 RIS 34030 RIS 34083 Semester Three RIS 44009	INTRODUCTION TO HUMAN COMMUNICATION (KADL) irrement irrement is Credit Hours RADIATION THERAPY PRINCIPLES AND PRACTICE I RADIATION THERAPY PATIENT MANAGEMENT RADIATION THERAPY PHYSICS I RADIATION THERAPY CLINICAL EDUCATION I SECTIONAL ANATOMY IN MEDICAL IMAGING Credit Hours RADIATION THERAPY PRINCIPLES AND PRACTICE II	3 3 1 4 11 3 3 1 3 13

!	RIS 44098	RESEARCH IN MEDICAL IMAGING (ELR) (WIC)	3
		Credit Hours	14
	Second Summe	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.

	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 global course, of which one must be from the Kent Core.	
	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)	hours 1 course
	Writing-Intensive Course (WIC) Students must earn a minimum C grade in the course.	
	, ,	
	Students must earn a minimum C grade in the course.	1 course 39 credit
	Students must earn a minimum C grade in the course. Upper-Division Requirement Students must successfully complete 39 upper-division (numbered	1 course 39 credit

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:

 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.
- 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:

- 1. 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.
- 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.