KENT STATE UNIVERSITY

Roadmap: Radiologic Imaging Sciences – Nuclear Medicine (with certification and ATS Radiologic Technology) – Bachelor of Radiologic Imaging Sciences Technology

[RE-BRIT-RIS-NMHO]
Regional College
Catalog Year: 2013-2014

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

Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Important Notes
Prerequisite to Major: [64 Credit Hours]					
Note: Students must have graduated from a hospital-based certificate program in radiologic technology; successfully completed the certification exam for the American Registry of Radiologic Technology; and earned the ATS degree in Radiologic Technology (30 semester credits will be awarded). A 2.750 cumulative GPA is required for this program.					
BSCI 10001 Human Biology	3				Fulfills Kent Core Basic Sciences; see note 1
CHEM 10050 Fundamentals of Chemistry	3				Fulfills Kent Core Additional; see note 1
COMT 11000 Introduction to Computer Systems	3				See note 2
MATH 11009 Modeling Algebra ***or*** MATH 11010 Algebra for Calculus	3-4				Fulfills Kent Core Mathematics and Critical Reasoning; see note 1
PSYC 11762 General Psychology	3				Fulfills Kent Core Social Sciences and domestic diversity; see note 1
US 10097 Destination Kent State: First Year Experience	1				Not required of transfer students with 25 credits
Kent Core Requirements	18				Kent Core Additional (3 credits), Composition (6-8 credits), Humanities and Fine Arts (6 credits), Social Sciences (3 credits); see note 1
Semester One: [10 Credit Hours]					
PHY 12111 Physics for Health Technologies	3				
Kent Core CHEM laboratory course	1				Fulfills Kent Core Basic Sciences
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				
Semester Two: [14 Credit Hours]					
Note: Admission to the program is required to enroll in RIS courses.					
RIS 34083 Sectional Anatomy in Medical Imaging	**3**	■	C	■	
RIS 44001 Patient Management in Nuclear Medicine	**3**	■	**C**	■	
RIS 44002 Nuclear Medicine Procedures I	**3**	■	**C**	■	
RIS 44005 Nuclear Medicine Clinical Education I	**2**	■	**C**	■	
RIS 44006 Nuclear Medicine Physics and Instrumentation I	**3**	■	**C**	■	
Semester Three: [16 Credit Hours]					
RIS 44010 Nuclear Medicine Clinical Education II	**3**	■	**C**	■	
RIS 44011 Nuclear Medicine Radiopharmacy	**4**	■	**C**	■	
RIS 44012 Nuclear Medicine Procedures II	**3**	■	**C**	■	
RIS 44014 Nuclear Medicine Physics and Instrumentation II	**3**	■	**C**	■	
RIS 44098 Research in Medical Imaging	**3**	■	**C**	■	**Fulfills experiential learning and writing intensive course requirements**
Semester Four (Summer): [7 Credit Hours]					
RIS 44015 Nuclear Medicine Clinical Education III	**2**	■	**C**	■	
RIS 44016 Nuclear Medicine Procedures III	**2**	■	**C**	■	
RIS 44017 Nuclear Medicine Radiation Safety	**3**	■	**C**	■	
Semester Four: [10 Credit Hours]					
RIS 44019 Nuclear Medicine Procedures IV	**2**	■	**C**	■	
RIS 44020 Nuclear Medicine Clinical Education IV	**3**	■	**C**	■	
RIS 44023 Nuclear Medicine Physics and Instrumentation III	**3**	■	**C**	■	
RIS 44039 Nuclear Medicine Techniques	**2**	■	**C**	■	

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Global / Domestic Diversity Course	Writing-Intensive	Experiential Learning	Minimum Major GPA	Minimum Overall GPA
121	39	36	Kent Core and PSYC 11762	RIS 44098	RIS 44098	2.750	2.000

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Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
Composition (6-8 credit hours) *ENG 11002, 11011, 21011; HONR 10197, 10297*	Fulfilled in A.T.S. in Radiologic Technology	0
Mathematics and Critical Reasoning (3-5 credit hours)	Fulfilled in A.T.S. in Radiologic Technology	0
Humanities and Fine Arts (9 credit hours) *Minimum one course from humanities in Arts and Sciences category and minimum one course from fine arts category*	6 credit hours fulfilled in A.T.S. in Radiologic Technology; may fulfill diversity requirement	3
Social Sciences (6 credit hours) *Must be selected from two curricular areas*	6 credit hours are fulfilled in A.T.S. in Radiologic Technology	0
Basic Sciences (6-7 credit hours) *Must include one laboratory*	3 credit hours are fulfilled in this major with BSCI 10001; 1 credit hour is fulfilled with CHEM laboratory course	3
Additional (6 credit hours)	6 credit hours are fulfilled in A.T.S. Radiologic Technology	0

Note 1: Course should have been fulfilled in the ATS degree in Radiologic Technology.

Note 2: CS 10001 Computer Literacy or MIS 24053 Computer Applications may also fulfill this requirement.

Notes: Students should contact the nuclear medicine program director at the Salem Campus for advising. Students transferring credit must meet the 30 semester hour residency rule as stated in the Undergraduate Catalog.

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

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

Writing-Intensive Course Requirement
Students must complete a one-course writing-intensive requirement in their major and earn minimum C (2.000) grade. Visit www.kent.edu/catalog/wic for course list.

Experiential Learning Requirement
To provide students with direct engagement in learning experiences that promote academic relevance, meaning and an understanding of real-world issues, students must complete this requirement at Kent State, either as a for-credit course or as a non-credit, non-course experience approved by the appropriate faculty member. Visit www.kent.edu/catalog/elr for course list.

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