

KENT STATE®

Date: March 11, 2009
From: Jan Gibson, Senior Program Director, Radiology Programs, Salem Campus
To: School of Speech Pathology & Audiology, College of EHHS, EPC
Subject: Summary of Curricular Proposals for the ATS and BRIT degrees

I. Bachelor of Radiologic and Imaging Sciences Technology Degree

A. Radiation Therapy concentration

- 1) Change credit hours from 2 to 3 in RIS 44043, RTH Principles & Practice III. This is a course that prepares students for the national certification exam in radiation therapy. Current semester hours do not permit adequate coverage of required content.
- 2) Remove MATH 11009 from MATH LER list since students must complete MATH 11010 and 11012.

B. RIS concentrations: Add information to the undergraduate catalog and requirement sheets: Students must receive a 2.0 or greater in all RIS courses.

C. Option IV addition to RIS concentrations. This proposal permits graduates of certificate (non-credit) and credit programs in Diagnostic Medical Sonography, Nuclear Medicine and Radiation Therapy to transfer credit from a credit program or to complete Credit-By-Exam (CBE) from certificate (non-credit) programs.

II. Associate of Technical Studies-Category B

A. Create a pre-major in the ATS-Category B to help identify students and improve academic advising. This degree is awarded to students who complete a hospital based certificate program in the following areas. Thirty-two credits are awarded for the certificate program with students completing an additional 34 credits for the degree.

- 1) Diagnostic Medical Sonography Technology
- 2) Nuclear Medicine Technology
- 3) Radiation Therapy Technology
- 4) Radiologic Technology
- 5) Radiology Department Management Technology

B. ATS-Category B: Radiology Department Management Technology

Remove MATH 12001, Algebra & Trig, as a choice since course is no longer offered. The choice of math should be MATH 11010 and 11012.

6.A.1.
Transmittal Memo

To: EPC

From: Jan Gibson, Director, Radiology Programs, Salem Campus

Date: March 2, 2009

RE: BRIT degree, Radiation Therapy Concentration, RTH 44043

Summary Statement:

Change credit hours from 2 to 3 hours in RTH Principles and Practice III, from the Bachelor of Radiologic and Imaging Sciences degree in the Radiation Therapy concentrations (RTAA, RTHB, RTFE). This course prepares students for the national certification examination in radiation therapy. The current hours are not adequate to cover the content specifications of the exam.

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Proposal Summary

Title: BRIT Degree, RIS Major, Radiation Therapy Concentration, Change RIS 44043, Radiation Therapy Principles and Practice III from 2 to 3 hours for Fall 2010

Subject Specification: This proposal seeks to change the credit hours from 2 to 3 for RIS 44043, RTH Principles and Practice III in the Radiation Therapy concentration in the Bachelor of Radiologic and Imaging Sciences Technology degree, effective fall 2010.

Background Information: The RTH Principles and Practice course is a review course preparing the students to take the national registry examination which is a national certification exam required to practice as a radiation therapist within the U.S. This test is a 200 question examination that encompasses five areas of concentration. This course needs to be increased from two to three hours due to the wealth of information the students may be tested on. They must have a firm understanding of all radiation therapy concepts and many of these have not been addressed since the first semester of the program. Additionally, this course allows the students to take simulated registry exams.

Alternatives and Consequences: The alternative is to keep the hours the same.

Specific Recommendation and Justification: The change should be established effective fall 2010.

Timetable and Actions Required:

Department: School of Speech Pathology and Audiology

College of EHHS

EPC

Faculty Senate

KENT STATE UNIVERSITY

CERTIFICATION OF CURRICULUM PROPOSAL

Preparation Date 1-Mar-09

Curriculum Bulletin _____

Effective Date Fall 2010

Approved by EPC _____

Department EHHS
College RC - Regional Campuses
Degree BRIT - Bachelor of Radiologic Imaging Sciences
Program Name **Radiologic & Imaging Sciences** Program Code RIS
Concentration(s) RTH Concentration(s) Code(s) RTAA, RTHB, RTFE
Proposal Revise Program

Description of proposal:

Revise the RIS 44043 RTH Principles & Practice III from two to three credit hours

Does proposed revision change program's total credit hours? ☒ Yes ☐ No

Current total credit hours: 121/134

Proposed total credit hours 122/135

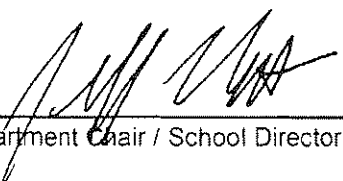
Describe impact on other programs, policies or procedures (e.g., encroachment and duplication issues; enrollment and staffing considerations; need; audience; prerequisites; teacher education licensure):

No impact on other programs

Units consulted (other departments, programs or campuses affected by this proposal):

School of SPA and College of EHHS

REQUIRED ENDORSEMENTS



Department Chair / School Director / Campus Dean

3 / 10 / 09

College Dean

____/____/____

Executive Dean of Regional Campuses / Dean of Graduate Studies

____/____/____

Senior Vice President for Academic Affairs and Provost

____/____/____

KENT STATE UNIVERSITY

CERTIFICATION OF CURRICULUM PROPOSAL

Preparation Date **15-Mar-09**

Curriculum Bulletin _____

Effective Date **Fall 2010**

Approved by EPC _____

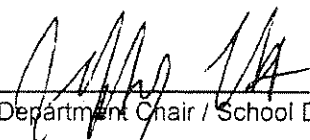
Department **RIS**
 College **EH - Education, Health and Human Services**
 Proposal **Revise Course**
 Course Subject **RIS** Course Number **44043**
 Course Title **RTH Principles and Practice III**
 Minimum Credits **023** Maximum Credits **023**

Checked items are new or revised	<input type="checkbox"/> Subject	<input type="checkbox"/> Cross-Listed / Slash
	<input type="checkbox"/> Number	<input type="checkbox"/> Grade Rule
	<input type="checkbox"/> Title	<input type="checkbox"/> Credit by Exam
	<input type="checkbox"/> Title Abbreviation	<input checked="" type="checkbox"/> Course Content
	<input checked="" type="checkbox"/> Credit Hours	<input type="checkbox"/> Liberal Education Requirements (LER)
	<input type="checkbox"/> Prerequisites	<input type="checkbox"/> Writing-Intensive (WIC)
	<input checked="" type="checkbox"/> Description	<input type="checkbox"/> Diversity
	<input type="checkbox"/> Schedule Type	<input type="checkbox"/> Other

Describe impact on other policies, programs or procedures (e.g., encroachment and duplication issues; enrollment and staffing considerations; need, audience, prerequisites; teacher education licensure):
No impact on other programs

Units consulted (other departments, programs or campuses affected by this proposal):
School of Speech Pathology and Audiology, College of EHHS

REQUIRED ENDORSEMENTS

 Department Chair / School Director / Campus Dean	<u>3/17/09</u> <u>3/17/09</u> ____/____/____
_____ College Dean	____/____/____
_____ Executive Dean of Regional Campuses / Dean of Graduate Studies	____/____/____
_____ Senior Vice President for Academic Affairs and Provost	____/____/____

BASIC DATA SHEET

Complete all fields. Data entered below should reflect new/revised information.

Preparation Date **15-Mar-09** Requested Effective Term **Fall 2010**
 Course Subject **RIS** Course Number **44043**
 Course Title **RTH Principles and Practice III**
 Title Abbreviation **RTH Principles/Practice Iii**
 NOTE: Maximum 30 spaces, with no punctuation or special characters (exception: forward slash "/" is allowed with no spaces before or after the slash)
 Slash Course **/ /** Cross-listed with _____ Cross-list Banner code _____
 4/5, 4/5/7 or 6/8 NOTE: To be completed by Curriculum Services.
 Minimum Credit **03** ☐ to ☐ or Maximum Credit **03** (e.g., 3 to 3 credits, 1 to 12 credits, 2 or 4 credits)
 Contact Hours ☒ Lecture Minimum Hours **03.00** ☐ to ☐ or Maximum Hours **3.00**
 Per Week ☐ Laboratory Minimum Hours ☐ to ☐ or Maximum Hours _____
☐ Other Minimum Hours ☐ to ☐ or Maximum Hours _____
 NOTE: Contact hours should be per week.
 Repeat Status **NR - Course may not be repeated**
 If repeats, course limit _____ OR maximum hours _____
 Course Level **UG - Undergraduate**
 Grade Rule **C - Letter or In Progress (IP)**
 Schedule Type(s) **LEC - Lecture**
 Course Attribute(s) **none**
 Credit By Exam **D - Credit by Exam as Approved by Department**

COMPLETE ONLY WHAT IS APPLICABLE TO THE COURSE

Prerequisite

Course(s) **RIS 44013**

NOTE: List minimum-grade requirement for course prerequisites if other than "D."

Test Score(s) _____

Corequisite(s) _____

Registration is by special approval only ☒ Yes ☐ No

NOTE: Checking "yes" means all students must seek approval from department to register.

Restrict Registration **RIS major**

(e.g., VCD majors, East Liverpool Campus, junior level and above, graduate standing, BA-CHEM program)

COMPLETED BY CURRICULUM SERVICES

OBR Program Code _____

OBR Subsidy Code _____

OBR Course Level _____

CIP Code _____

Catalog Description **Review and testing of major subject areas from all radiation therapy courses to prepare students to successfully pass the national certification exam based on the content specifications from the ARRT.**

(do not include prerequisites)

Complete the following only if applicable:

Previous Title _____

Previous Subject _____

Previous Number _____

Term Start _____ Term End _____ NOTE: To be completed by Curriculum Services.

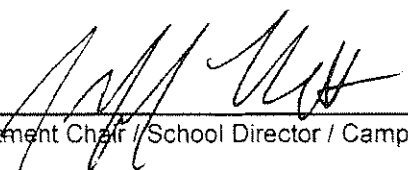
Content Outline (include contact hours for each section)

Contact Hours	Outline
2.00	Atomic Structure
4.00	Electromagnetic Radiation & Interactions
2.00	Detection & Measurement of Radiation
2.00	Radiation Safety
3.00	High Energy Treatment Units
2.00	Brachytherapy
2.00	Radiobiology
2.00	Electron Beam
4.00	Pathology
2.00	Patient care
10.00	Treatment delivery
10.00	Simulated Exams

45.00 Total Contact Hours

Textbook(s) Used in this Course	Notes Packet
Writing Expectations	Research Paper
Instructor(s) Expected To Teach	Victoria Migge
Instructor(s) Contributing to Content	Victoria Migge

 REQUIRED ENDORSEMENT



 Department Chair / School Director / Campus Dean

3,171.04

Additional LER courses

COMM 15000 Introduction to Human Communications	3
MATH 11012 Intuitive Calculus	3

Diversity 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 LER; the second course may be taken as a second LER, within a minor or as a general elective. A complete list of diversity courses is on Pages 89-91.

III. Writing-Intensive Course Requirements

Students must complete a one-course writing-intensive requirement and earn minimum C (2.00) grade. This requirement is fulfilled in this concentration with RIS 44098. A complete list of writing-intensive courses is on Pages 93-95.

IV. Major Requirements

RIS 34003 Radiation Therapy Principles/Practice I	3
34004 Radiation Therapy Patient Management	3
34008 Radiation Therapy Physics I	3
34030 Radiation Therapy Clinical Education I	1
34083 Sectional Anatomy in Medical Imaging	3
44013 Radiation Therapy Principles/Practice II	3
44018 Radiation Therapy Physics II	3
44028 Radiation Therapy Radiobiology	3
44029 Radiation Therapy Pathology I	3
44038 Radiation Therapy Physics III	3
44040 Radiation Therapy Clinical Education II	1
44041 Radiation Therapy Quality Management	2
44042 Radiation Therapy Pathology II	3
44043 Radiation Therapy Principles/Practice III	3
44050 Radiation Therapy Clinical Education III	1
44060 Radiation Therapy Clinical Education IV	1
44070 Radiation Therapy Clinical Education V	1
44098* Research in Medical Imaging	3

OPTION I**Additional Requirements** .54

Technical requirements in radiologic technology .54

See requirements under the A.A.S. in radiologic technology program in this Catalog.

TOTAL 134-135

135-136

OPTION II**Additional Requirements** .38

COMT 11000 Introduction to Computer Systems .3

HED 14020 Medical Terminology .3

Associate of Science electives or freshman entry .32

TOTAL 124-125

122-123

OPTION III**Additional Requirements** .41

COMT 11000 Introduction to Computer Systems .3

Associate of Technical Studies in Radiologic Technology .32

Lower-division electives .6

TOTAL 124-125

122-

123

*Course fulfills writing-intensive requirement.

ASSOCIATE DEGREE REQUIREMENTS**General Academic Requirements**

In addition to completing a minimum of 61 semester hours of approved coursework and meeting all program requirements, candidates for an associate degree, entering the university in the Fall Semester 1980 or later with freshman standing, also must complete First Year Experience FLASH Point (US 10097), a 1-hour course.

To graduate, students must attain a minimum cumulative GPA of 2.00 for all coursework taken at Kent State University. Candidates for the Associate of Applied Business and Associate of Applied Science must attain a 2.00 cumulative GPA in the technical courses.

If students are required to take additional coursework to raise the GPA in the technical core to 2.00, the course(s) will be selected in consultation with the program advisor and approved prior to registration. It is required that such coursework be in the technical area. Candidates for the Applied Science in Nursing degree must attain a grade of at least C (2.00) in each nursing, biology, chemistry and nutrition course. Candidates in the applied science early childhood education program must attain a C (2.00) grade in every technical course.

Program Requirements

Before or upon completion of 32 semester hours, associate degree students are required to contact the student services office at their campuses to obtain an official program requirement sheet. This sheet should be completed in consultation with the students' advisors and a copy returned to the Student Services office.

Requests for adjustments in program requirements must be approved prior to enrolling in a course that is not in the prescribed curriculum. Requests for adjustments will not be accepted during the semester in which the students expect to graduate, except when a course has been canceled at the beginning of that semester or upon determination of the campus dean that there have been mitigating circumstances.

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
**Radiation Therapy (RTH) Concentration for
Freshman Entry or Associate of Science Degree Graduates
2008-2009**

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Dept.	Course Number	Title	Credit Hours	Sem./Yr.	Complete
<input type="checkbox"/>	ENG	11001	Intro. to Coll. Writing S (3)			
<input type="checkbox"/>	ENG	11002	College Writing I – Stretch (3)	6		
<input type="checkbox"/>	MATH	10031	Fundamentals of Math I	1		
<input type="checkbox"/>	MATH	10032	Fundamentals of Math II	1		
<input type="checkbox"/>	MATH	10033	Fundamentals of Math III	1		
<input type="checkbox"/>	MATH	10034	Fundamentals of Math IV	1		
<input type="checkbox"/>	MATH	10035	Fundamentals of Math V	1		
<input type="checkbox"/>	MATH	10036	Fundamentals of Math VI	1		
<input type="checkbox"/>	US	10003	Read. Strat. for Coll. Suc.	3		
<input type="checkbox"/>	US	10006	Study Strat. for Coll. Suc.	3		

1. US 10097 First Year Exp. FLASH Point 1 _____

LIBERAL EDUCATION REQUIREMENTS

- Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____
- Mathematics, Critical Reasoning (3-4 hours)
Select from the following
MATH 11009 Modeling Algebra (4) _____
MATH 11010 Algebra for Calculus (3) _____
- *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from Fine Arts category required.

- *Social Science (6 hour)
Courses must be selected from **two** curricular areas
PSYC 11762 General Psychology 3 _____

- Basic Sciences (6-7 hour minimum required by LER, 10 hours total required by program)
BSCI 20020 Biological Structure & Func. 5 _____
PHY 13001 General College Physics I 4 _____
PHY 13021 Gen. College Physics I Lab 1 _____
- Additional LER's (6 hours)
COMM 15000 Intro. to Human Comm. 3 _____
MATH 11012 Intuitive Calculus 3 _____

Total LER Hours 40-41

*Select from the University's LER list in the *Undergraduate Catalog*.
**See *Undergraduate Catalog* for list of courses.

NOTES

A minimum of 42 semester hours of upper division courses is required.
A minimum of 121 semester hours is required for graduation.
A minimum of 2.00 overall grade point average is required.
A minimum of 2.75 is required in the professional level courses.
Only general elective courses may be taken pass fail.

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective.
One course must address domestic (US) diversity issues

One course must address global diversity issues

- Associate of Science (32 hours). Attach program requirement sheet. Date awarded _____

- OR -

Freshman Entry Lower Division Electives (32 hours)

- Required Related Courses (6 hours)

COMT 11000	Intro. to Computer Systems	3	_____
HED 14020	Medical Terminology	3	_____

- Professional Level Courses

Dept.	Course Number	Title	Credit Hours	Sem/ Yr.	Grd Cmpl	Qty 0-4	Qty Pts.
RIS	34003	RTh Principles/Practice I	3				
RIS	34004	RTh Patient Management	3				
RIS	34008	RTh Physics I	3				
RIS	34030	RTh Clinical Education I	1				
RIS	34083	Sectional Anatomy	3				
RIS	44013	RTh Principles/Practice II	3				
RIS	44018	RTh Physics II	3				
RIS	44028	RTh Radiobiology	3				
RIS	44029	RTh Pathology I	3				
RIS	44038	RTh Physics III	3				
RIS	44040	RTh Clinical Education II	1				
RIS	44041	RTh Quality Management	2				
RIS	44042	RTh Pathology II	3				
RIS	44043	RTh Principles/Practice III	3				
RIS	44050	RTh Clinical Education III	1				
RIS	44060	RTh Clinical Education IV	1				
RIS	44070	RTh Clinical Education V	1				

Total Professional Level Course Hours 4025 GPA _____

- Required Writing Intensive Course

RIS 44098	Research in Med. Imaging	3	_____
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TOTAL REQUIREMENTS

121-122 122-123

Student Signature _____

Date _____

Advisor Signature _____

Date _____

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
Radiation Therapy (RTH) Concentration for
Associate of Applied Science in Radiologic Technology Graduates
2008-2009

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Course	Credit	Sem./Yr.
	Dept. Number Title	Hours	Complete
<input type="checkbox"/>	ENG 11001 Intro. to Coll. Writing S (3)	3	_____
<input type="checkbox"/>	ENG 11002 College Writing I - Stretch (3)	6	_____
<input type="checkbox"/>	MATH 10031 Fundamentals of Math I	1	_____
<input type="checkbox"/>	MATH 10032 Fundamentals of Math II	1	_____
<input type="checkbox"/>	MATH 10033 Fundamentals of Math III	1	_____
<input type="checkbox"/>	MATH 10034 Fundamentals of Math IV	1	_____
<input type="checkbox"/>	MATH 10035 Fundamentals of Math V	1	_____
<input type="checkbox"/>	MATH 10036 Fundamentals of Math VI	1	_____
<input type="checkbox"/>	US 10003 Read. Strat. for Coll. Suc.	3	_____
<input type="checkbox"/>	US 10006 Study Strat. for Coll. Suc.	3	_____

1. US 10097 First Year Exp. FLASH Point 1 _____

LIBERAL EDUCATION REQUIREMENTS

- Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____
- Mathematics, Critical Reasoning (3-4 hours)
Select from the following
MATH 11009 Modeling Algebra (4) _____
MATH 11010 Algebra for Calculus (3) _____
- *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from Fine Arts category required.

- *Social Science (6 hour)
Courses must be selected from two curricular areas
PSYC 11762 General Psychology 3 _____

- *Basic Sciences (6-7 hour)
CHEM 10050 Fundamentals of Chem. 3 _____
Select one lab from
CHEM 10031 Chemistry in our World (1) _____
PHY 21041 Phys. in Entertain. & Arts (1) _____
- Additional LER's (6 hours)
COMM 15000 Intro. to Human Comm. 3 _____
MATH 11012 Intuitive Calculus 3 _____

Total LER Hours 37-38

*Select from the University's LER list in the *Undergraduate Catalog*.
**See *Undergraduate Catalog* for list of courses.

NOTES

A minimum of 42 semester hours of upper division courses is required.
A minimum of 134 semester hours is required for graduation.
A minimum of 2.00 overall grade point average is required.
A minimum of 2.75 is required in the professional level courses.
Only general elective courses may be taken pass/fail.

Issued by the Office of the Executive Dean for Regional Campuses

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective.

One course must address domestic (US) diversity issues

One course must address global diversity issues

- AAS in Radiologic Technology (54 hours).
Attach program requirement sheet.

Date awarded _____

9. Professional Level Courses

Dept.	Course	Credit	Sem/	Grd	Qty
	Number Title	Hours	Yr. Cmpl	0-4	Pts
RIS	34003 RTh Principles/Practice I	3			
RIS	34004 RTh Patient Management	3			
RIS	34008 RTh Physics I	3			
RIS	34030 RTh Clinical Education I	1			
RIS	34083 Sectional Anatomy	3			
RIS	44013 RTh Principles/Practice II	3			
RIS	44018 RTh Physics II	3			
RIS	44028 RTh Radiobiology	3			
RIS	44029 RTh Pathology I	3			
RIS	44038 RTh Physics III	3			
RIS	44040 RTh Clinical Education II	1			
RIS	44041 RTh Quality Management	2			
RIS	44042 RTh Pathology II	3			
RIS	44043 RTh Principles/Practice III	3			
RIS	44050 RTh Clinical Education III	1			
RIS	44060 RTh Clinical Education IV	1			
RIS	44070 RTh Clinical Education V	1			

Total Professional Level Course Hours 40.35 GPA _____

- Required Writing Intensive Course
RIS 44098 Research in Med. Imaging 3 _____

TOTAL REQUIREMENTS 134-135
135-136

Student Signature _____ Date _____

Advisor Signature _____ Date _____

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
**Radiation Therapy (RTH) Concentration for
Hospital-Based Certificate Program and ATS Graduates**
2008-2009

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Course	Credit	Sem./Yr.
Dept.	Number Title	Hours	Complete
<input type="checkbox"/>	ENG 11001 Intro. to Coll. Writing S (3)	3	_____
<input type="checkbox"/>	ENG 11002 College Writing I - Stretch (3)	3	_____
<input type="checkbox"/>	MATH 10031 Fundamentals of Math I	1	_____
<input type="checkbox"/>	MATH 10032 Fundamentals of Math II	1	_____
<input type="checkbox"/>	MATH 10033 Fundamentals of Math III	1	_____
<input type="checkbox"/>	MATH 10034 Fundamentals of Math IV	1	_____
<input type="checkbox"/>	MATH 10035 Fundamentals of Math V	1	_____
<input type="checkbox"/>	MATH 10036 Fundamentals of Math VI	1	_____
<input type="checkbox"/>	US 10003 Read. Strat. for Coll. Suc.	3	_____
<input type="checkbox"/>	US 10006 Study Strat. for Coll. Suc.	3	_____

1. US 10097 First Year Exp. FLASH Point 1 _____

LIBERAL EDUCATION REQUIREMENTS

- Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____
- Mathematics, Critical Reasoning (3-4 hours)
Select from the following
MATH 11009 Modeling Algebra (4) _____
MATH 11010 Algebra for Calculus (3) _____
- *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from
Fine Arts category required.

- *Social Science (6 hour)
Courses must be selected from **two** curricular areas
PSYC 11762 General Psychology 3 _____

- *Basic Sciences (6-7 hour)
CHEM 10050 Fundamentals of Chem. 3 _____
Select one lab from
CHEM 10031 Chemistry in our World (1) _____
PHY 21041 Phys. in Entertain. & Arts (1) _____
- Additional LER's (6 hours)
COMM 15000 Intro. to Human Comm. 3 _____
MATH 11012 Intuitive Calculus 3 _____

Total LER Hours 37-38

*Select from the University's LER list in the *Undergraduate Catalog*.
**See *Undergraduate Catalog* for list of courses.

NOTES

A minimum of 42 semester hours of upper division courses is required.
A minimum of 121 semester hours is required for graduation.
A minimum of 2.00 overall grade point average is required.
A minimum of 2.75 is required in the professional level courses.
Only general elective courses may be taken pass fail.

Issued by the Office of the Executive Dean for Regional Campuses

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective.

One course must address domestic (US) diversity issues

One course must address global diversity issues

- ATS Radiologic Technology, Nuclear Medicine or Diagnostic Medical Sonography from hospital-based certificate program (32 hours). Attach program requirement sheet.

Date awarded _____

- Required course from Associate Degree (3 hours)
COMT 11000 Intro. to Computer Systems 3 _____

- Lower Division Electives (6 hours)

11. Professional Level Courses

Dept.	Course	Title	Credit	Sem/	Grd	Qty
	Number		Hours	Yr.	0-4	Pts
RIS	34003	RTh Principles/Practice I	3			
RIS	34004	RTh Patient Management	3			
RIS	34008	RTh Physics I	3			
RIS	34030	RTh Clinical Education I	1			
RIS	34083	Sectional Anatomy	3			
RIS	44013	RTh Principles/Practice II	3			
RIS	44018	RTh Physics II	3			
RIS	44028	RTh Radiobiology	3			
RIS	44029	RTh Pathology I	3			
RIS	44038	RTh Physics III	3			
RIS	44040	RTh Clinical Education II	1			
RIS	44041	RTh Quality Management	2			
RIS	44042	RTh Pathology II	3			
RIS	44043	RTh Principles/Practice III	3			
RIS	44050	RTh Clinical Education III	1			
RIS	44060	RTh Clinical Education IV	1			
RIS	44070	RTh Clinical Education V	1			

Total Professional Level Course Hours 40-29 GPA _____

- Required Writing Intensive Course
RIS 44098 Research in Med. Imaging 3 _____

TOTAL REQUIREMENTS 121-122 122-123

Student Signature _____ Date _____

Advisor Signature _____ Date _____

Revised 7-21-08

7A.2

Transmittal Memo

To: EPC

From: Jan Gibson, Director, Radiology Programs, Salem Campus

Date: March 2, 2009

RE: BRIT degree, Radiation Therapy Concentration, MATH 11009

Summary Statement:

Remove MATH 11009, Modeling Algebra, from the Bachelor of Radiologic and Imaging Sciences degree in the Radiation Therapy concentrations (RTAA, RTHB, RTFE) since MATH 11010 and 11012 are required to meet degree requirements.

Reduces grad requirements
for 134-135 ~~RTAA~~ to 134 RTA,

for 121-122 RTHB to 121

for 121-122 RTFE to 121

2.B.

Proposal Summary

Title: BRIT Degree, RIS Major, Radiation Therapy Concentration, Remove MATH 11009

Subject Specification: This proposal seeks to remove MATH 11009, Modeling Algebra, from the Bachelor of Radiologic and Imaging Sciences Technology degree in the Radiation Therapy concentrations (RTAA, RTHB, RTFE) and to keep MATH 11010, Algebra for Calculus as the only MATH LER course, effective fall 2010.

Background Information: The national curriculum for all radiation therapy programs requires calculus as a pre-requisite course for admission. At Kent State University, this requires students to complete MATH 11010, Algebra for Calculus, prior to MATH 11012, Intuitive Calculus. The current requirement sheet lists MATH 11009, Modeling Algebra or MATH 11010, Algebra for Calculus, as the MATH LER choices. MATH 11012 is listed in the Additional LER category. It is essential for interested students to select Algebra for Calculus prior to Intuitive Calculus. Students advised at the Salem Campus have always been directed to take the correct course however, students who self-advise have been confused. This correction will make certain that students complete the appropriate math courses, without duplication.

Alternatives and Consequences: The alternative is to allow both courses to be listed but this would result in a student possibly completing a duplicate course.

Specific Recommendation and Justification: The change should be established effective fall 2010.

Timetable and Actions Required:

Department: School of Speech Pathology and Audiology

College of EHHS

EPC

Faculty Senate

KENT STATE UNIVERSITY

CERTIFICATION OF CURRICULUM PROPOSAL

Preparation Date 1-Mar-09

Curriculum Bulletin _____

Effective Date Fall 2010

Approved by EPC _____

Department EHHS
College RC - Regional Campuses
Degree BRIT - Bachelor of Radiologic Imaging Sciences
Program Name **Radiologic & Imaging Sciences** Program Code RIS
Concentration(s) RTH Concentration(s) Code(s) RTAA, RTHB, RTFE
Proposal Revise Program

Description of proposal:

Remove MATH 11009 from Radiation Therapy concentration (options I, II, III) since MATH 11010 and 11012 are required.

Does proposed revision change program's total credit hours? ☒ Yes ☐ No

Current total credit hours: 134-135

Proposed total credit hours 134


Describe impact on other programs, policies or procedures (e.g., encroachment and duplication issues; enrollment and staffing considerations; need; audience; prerequisites; teacher education licensure):

No impact on other programs

Units consulted (other departments, programs or campuses affected by this proposal):

School of SPA and College of EHHS

REQUIRED ENDORSEMENTS



Department Chair / School Director / Campus Dean

3/10/09

College Dean

 / /

Executive Dean of Regional Campuses / Dean of Graduate Studies

 / /

Senior Vice President for Academic Affairs and Provost

 / /

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
Radiation Therapy (RTH) Concentration for
Associate of Applied Science in Radiologic Technology Graduates
2008-2009

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Course	Credit	Sem./Yr.
Dept.	Number Title	Hours	Complete
<input type="checkbox"/>	ENG 11001 Intro. to Coll. Writing S (3)	3	_____
<input type="checkbox"/>	ENG 11002 College Writing I – Stretch (3)	6	_____
<input type="checkbox"/>	MATH 10031 Fundamentals of Math I	1	_____
<input type="checkbox"/>	MATH 10032 Fundamentals of Math II	1	_____
<input type="checkbox"/>	MATH 10033 Fundamentals of Math III	1	_____
<input type="checkbox"/>	MATH 10034 Fundamentals of Math IV	1	_____
<input type="checkbox"/>	MATH 10035 Fundamentals of Math V	1	_____
<input type="checkbox"/>	MATH 10036 Fundamentals of Math VI	1	_____
<input type="checkbox"/>	US 10003 Read. Strat. for Coll. Suc.	3	_____
<input type="checkbox"/>	US 10006 Study Strat. for Coll. Suc.	3	_____

1. US 10097 First Year Exp. FLASH Point 1 _____

LIBERAL EDUCATION REQUIREMENTS

- Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____
- Mathematics, Critical Reasoning (3-4 hours)
Select from the following:
~~MATH 11009 Modeling Algebra (4)~~
MATH 11010 Algebra for Calculus ~~4~~ 3 _____
- *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from Fine Arts category required.

- *Social Science (6 hour)
Courses must be selected from two curricular areas
PSYC 11762 General Psychology 3 _____

- *Basic Sciences (6-7 hour)
CHEM 10050 Fundamentals of Chem. 3 _____
Select one lab from
CHEM 10031 Chemistry in our World (1) _____
PHY 21041 Phys. in Entertain. & Arts (1) _____
- Additional LER's (6 hours)
COMM15000 Intro. to Human Comm. 3 _____
MATH 11012 Intuitive Calculus 3 _____

Total LER Hours 37-~~38~~

*Select from the University's LER list in the Undergraduate Catalog.
**See Undergraduate Catalog for list of courses.

NOTES

A minimum of 42 semester hours of upper division courses is required.
A minimum of 134 semester hours is required for graduation.
A minimum of 2.00 overall grade point average is required.
A minimum of 2.75 is required in the professional level courses.
Only general elective courses may be taken pass fail.

Issued by the Office of the Executive Dean for Regional Campuses

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective.

One course must address domestic (US) diversity issues

One course must address global diversity issues

- AAS in Radiologic Technology (54 hours).
Attach program requirement sheet.

Date awarded _____

9. Professional Level Courses

Course	Credit	Sem/	Yr.	Grd	Qty
Dept. Number Title	Hours	Hours	Cmpl	0-4	Pts.
RIS 34003 RTh Principles/Practice I	3				
RIS 34004 RTh Patient Management	3				
RIS 34008 RTh Physics I	3				
RIS 34030 RTh Clinical Education I	1				
RIS 34083 Sectional Anatomy	3				
RIS 44013 RTh Principles/Practice II	3				
RIS 44018 RTh Physics II	3				
RIS 44028 RTh Radiobiology	3				
RIS 44029 RTh Pathology I	3				
RIS 44038 RTh Physics III	3				
RIS 44040 RTh Clinical Education II	1				
RIS 44041 RTh Quality Management	2				
RIS 44042 RTh Pathology II	3				
RIS 44043 RTh Principles/Practice III	2				
RIS 44050 RTh Clinical Education III	1				
RIS 44060 RTh Clinical Education IV	1				
RIS 44070 RTh Clinical Education V	1				

Total Professional Level Course Hours 39 GPA _____

- Required Writing Intensive Course
RIS 44098 Research in Med. Imaging 3 _____

TOTAL REQUIREMENTS 134-~~135~~

Student Signature _____ Date _____

Advisor Signature _____ Date _____

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
**Radiation Therapy (RTH) Concentration for
Hospital-Based Certificate Program and ATS Graduates
2008-2009**

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Dept.	Course Number	Title	Credit Hours	Sem./Yr.	Complete
<input type="checkbox"/>	ENG	11001	Intro. to Coll. Writing S (3)			
<input type="checkbox"/>	ENG	11002	College Writing I – Stretch (3)	6		
<input type="checkbox"/>	MATH	10031	Fundamentals of Math I	1		
<input type="checkbox"/>	MATH	10032	Fundamentals of Math II	1		
<input type="checkbox"/>	MATH	10033	Fundamentals of Math III	1		
<input type="checkbox"/>	MATH	10034	Fundamentals of Math IV	1		
<input type="checkbox"/>	MATH	10035	Fundamentals of Math V	1		
<input type="checkbox"/>	MATH	10036	Fundamentals of Math VI	1		
<input type="checkbox"/>	US	10003	Read. Strat. for Coll. Suc.	3		
<input type="checkbox"/>	US	10006	Study Strat. for Coll. Suc.	3		

1. US 10097 First Year Exp. FLASH Point 1 _____

LIBERAL EDUCATION REQUIREMENTS

2. Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____

3. Mathematics, Critical Reasoning (3-4 hours)
Select from the following:
~~MATH 11000 Modeling Algebra (4)~~
MATH 11010 Algebra for Calculus ☒ 3 _____

4. *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from Fine Arts category required.

5. *Social Science (6 hour)
Courses must be selected from two curricular areas
PSYC 11762 General Psychology 3 _____

6. *Basic Sciences (6-7 hour)
CHEM 10050 Fundamentals of Chem. 3 _____
Select one lab from
CHEM 10031 Chemistry in our World (1) _____
PHY 21041 Phys. in Entertain. & Arts (1) _____

7. Additional LER's (6 hours)
COMM 15000 Intro. to Human Comm. 3 _____
MATH 11012 Intuitive Calculus 3 _____

Total LER Hours 37-~~38~~

*Select from the University's LER list in the Undergraduate Catalog.
**See Undergraduate Catalog for list of courses.

NOTES

A minimum of 42 semester hours of upper division courses is required.
A minimum of 121 semester hours is required for graduation.
A minimum of 2.00 overall grade point average is required.
A minimum of 2.75 is required in the professional level courses.
Only general elective courses may be taken pass fail.

Issued by the Office of the Executive Dean for Regional Campuses

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective.

One course must address domestic (US) diversity issues

One course must address global diversity issues

8. ATS Radiologic Technology, Nuclear Medicine or Diagnostic Medical Sonography from hospital-based certificate program (32 hours). Attach program requirement sheet.

Date awarded _____

9. Required course from Associate Degree (3 hours)
COMT 11000 Intro. to Computer Systems 3 _____

10. Lower Division Electives (6 hours)

11. Professional Level Courses

Dept.	Course Number	Title	Credit Hours	Sem/ Yr.	Grd Cmpi	Qlty 0-4	Pts.
RIS	34003	RTh Principles/Practice I	3				
RIS	34004	RTh Patient Management	3				
RIS	34008	RTh Physics I	3				
RIS	34030	RTh Clinical Education I	1				
RIS	34083	Sectional Anatomy	3				
RIS	44013	RTh Principles/Practice II	3				
RIS	44018	RTh Physics II	3				
RIS	44028	RTh Radiobiology	3				
RIS	44029	RTh Pathology I	3				
RIS	44038	RTh Physics III	3				
RIS	44040	RTh Clinical Education II	1				
RIS	44041	RTh Quality Management	2				
RIS	44042	RTh Pathology II	3				
RIS	44043	RTh Principles/Practice III	2				
RIS	44050	RTh Clinical Education III	1				
RIS	44060	RTh Clinical Education IV	1				
RIS	44070	RTh Clinical Education V	1				

Total Professional Level Course Hours 39 GPA _____

12. Required Writing Intensive Course
RIS 44098 Research in Med. Imaging 3 _____

TOTAL REQUIREMENTS 121-~~122~~

Student Signature _____ Date _____

Advisor Signature _____ Date _____

Revised 7-21-08

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
Radiation Therapy (RTH) Concentration for
Freshman Entry or Associate of Science Degree Graduates
2008-2009

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Dept.	Course Number	Title	Credit Hours	Sem./Yr. Complete
<input type="checkbox"/>	ENG	11001	Intro. to Coll. Writing S (3)	3	_____
<input type="checkbox"/>	ENG	11002	College Writing I – Stretch (3)	6	_____
<input type="checkbox"/>	MATH	10031	Fundamentals of Math I	1	_____
<input type="checkbox"/>	MATH	10032	Fundamentals of Math II	1	_____
<input type="checkbox"/>	MATH	10033	Fundamentals of Math III	1	_____
<input type="checkbox"/>	MATH	10034	Fundamentals of Math IV	1	_____
<input type="checkbox"/>	MATH	10035	Fundamentals of Math V	1	_____
<input type="checkbox"/>	MATH	10036	Fundamentals of Math VI	1	_____
<input type="checkbox"/>	US	10003	Read. Strat. for Coll. Suc.	3	_____
<input type="checkbox"/>	US	10006	Study Strat. for Coll. Suc.	3	_____

1. US 10097 First Year Exp. FLASH Point 1 _____

LIBERAL EDUCATION REQUIREMENTS

2. Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____

3. Mathematics, Critical Reasoning (3-4 hours)
~~Select from the following:~~
~~MATH 11009 Modeling Algebra (4)~~
MATH 11010 Algebra for Calculus ~~X~~ 3 _____

4. *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from Fine Arts category required.

5. *Social Science (6 hour)
Courses must be selected from two curricular areas
PSYC 11762 General Psychology 3 _____

6. Basic Sciences (6-7 hour minimum required by LER, 10 hours total required by program)
BSCI 20020 Biological Structure & Func. 5 _____
PHY 13001 General College Physics I 4 _____
PHY 13021 Gen. College Physics I Lab 1 _____

7. Additional LER's (6 hours)
COMM 15000 Intro. to Human Comm. 3 _____
MATH 11012 Intuitive Calculus 3 _____

Total LER Hours 40-~~42~~

*Select from the University's LER list in the *Undergraduate Catalog*.
**See *Undergraduate Catalog* for list of courses.

NOTES

A minimum of 42 semester hours of upper division courses is required.
A minimum of 121 semester hours is required for graduation.
A minimum of 2.00 overall grade point average is required.
A minimum of 2.75 is required in the professional level courses.
Only general elective courses may be taken pass fail.

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective.
One course must address domestic (US) diversity issues

One course must address global diversity issues

8. Associate of Science (32 hours). Attach program requirement sheet. Date awarded _____

- OR -

Freshman Entry Lower Division Electives (32 hours)

9. Required Related Courses (6 hours)
COMT 11000 Intro. to Computer Systems 3 _____
HED 14020 Medical Terminology 3 _____

10. Professional Level Courses

Dept.	Course Number	Title	Credit Hours	Sem/ Yr. Cmpl	Grd 0-4	Qty Pls.
RIS	34003	RTh Principles/Practice I	3	_____	_____	_____
RIS	34004	RTh Patient Management	3	_____	_____	_____
RIS	34008	RTh Physics I	3	_____	_____	_____
RIS	34030	RTh Clinical Education I	1	_____	_____	_____
RIS	34083	Sectional Anatomy	3	_____	_____	_____
RIS	44013	RTh Principles/Practice II	3	_____	_____	_____
RIS	44018	RTh Physics II	3	_____	_____	_____
RIS	44028	RTh Radiobiology	3	_____	_____	_____
RIS	44029	RTh Pathology I	3	_____	_____	_____
RIS	44038	RTh Physics III	3	_____	_____	_____
RIS	44040	RTh Clinical Education II	1	_____	_____	_____
RIS	44041	RTh Quality Management	2	_____	_____	_____
RIS	44042	RTh Pathology II	3	_____	_____	_____
RIS	44043	RTh Principles/Practice III	2	_____	_____	_____
RIS	44050	RTh Clinical Education III	1	_____	_____	_____
RIS	44060	RTh Clinical Education IV	1	_____	_____	_____
RIS	44070	RTh Clinical Education V	1	_____	_____	_____

Total Professional Level Course Hours 39 **GPA** _____

11. Required Writing Intensive Course
RIS 44098 Research in Med. Imaging 3 _____

TOTAL REQUIREMENTS 121-~~122~~

Student Signature _____ Date _____

Advisor Signature _____ Date _____

Regional Campuses

CHEM 10050 Fundamentals of Chemistry (3)	
10052 Introduction to Organic Chemistry (2)	
10053 Inorganic and Organic Laboratory (1)	

10-11

Additional LER courses6

Courses must be selected from two categories, above. COMM 15000 Introduction to Human Communication and PHIL 11009 Principles of Thinking may also be taken within this category.

Diversity 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 LER; the second course may be taken as a second LER, within a minor or as a general elective. A complete list of diversity courses is on Pages 89-91.

III. Writing-intensive Course Requirements

Students must complete a one-course writing-intensive requirement and earn minimum C (2.00) grade. This requirement is fulfilled in this concentration with RIS 44098. A complete list of writing-intensive courses is on Pages 93-95.

V. Major Requirements39

RIS 44001 Patient Management in Nuclear Medicine	3
44002 Nuclear Medicine Procedures I	3
44005 Nuclear Medicine Clinical Education I	3
44006 Nuclear Medicine Physics & Instrumentation I	4
44010 Nuclear Medicine Clinical Education II	3
44011 Nuclear Medicine Radiopharmacy	4
44012 Nuclear Medicine Procedures II	3
44014 Nuclear Medicine Physics & Instrumentation II	3
44015 Nuclear Medicine Clinical Education III	2
44016 Nuclear Medicine Procedures III	3
44017 Nuclear Medicine Radiation Safety	3
44020 Nuclear Medicine Clinical Education IV	2
44098* Research in Medical Imaging	3

OPTION I**Additional Requirements**54

Technical requirements in radiologic technology54
See requirements under the A.A.S. in radiologic technology program in this Catalog.

TOTAL 131-132

OPTION II**Additional Requirements**41

COMT 11000 Introduction to Computer Systems	3
HED 14020 Medical Terminology	3
Associate of Science electives or freshman entry	35

TOTAL 121-123

OPTION III**Additional Requirements**44

COMT 11000 Introduction to Computer Systems	3
Associate of Technical Studies in Radiologic Technology	32
Lower-division electives	9

TOTAL 121-122

*Course fulfills writing-intensive requirement.

Radiation Therapy Concentration

Students eligible for Options I, II or III may enroll in the radiation therapy (RTH) concentration.

I. General College or University Requirements1

US 10097 First Year Experience FLASH Point	1
--	---

II. Liberal Education Requirements37-41

A complete list of liberal education requirement (LER) courses is on Pages 85-87.

Composition

ENG 11011 College Writing I	3
21011 College Writing II	3

Mathematics and Critical Reasoning3

Choose from the following:3

~~MATH 11009 Modeling Algebra (4)~~~~MATH 11010 Algebra for Calculus (3)~~**Humanities and Fine Arts**9

Minimum one course from humanities category and minimum one course from fine arts category.

Social Sciences

Must be selected from two curricular areas.

PSYC 11762 General Psychology	3
Social sciences LER course	3

Basic Sciences7-10

Students must choose the required courses for their option.

Option I or III

CHEM 10050 Fundamentals of Chemistry	3
Basic sciences LER course	3
Choose from the following:	1
CHEM 10031 Chemistry in Our World Laboratory (1)	
PHY 21041 Physics in Entertainment and the Arts Laboratory (1)	

7

Option II

BSCI 20020 Biological Structure and Function	5
PHY 13001 General College Physics I	4
PHY 13021 General College Physics Laboratory I	1

10

1.B.

Transmittal Memo

To: EPC
From: Jan Gibson, Director, Radiology Programs, Salem Campus
Date: March 2, 2009
RE: Catalog revision for RIS

Summary Statement:

In the undergraduate catalog, add the following statement in the paragraph under Bachelor of Radiologic and Imaging Sciences Technology.

Students must complete all RIS courses as noted in program requirements with a 2.0 or higher GPA.

Proposal Summary

Title: Academic grade requirement in RIS courses at 2.0 or higher

Subject Specification: This proposal seeks to add that students must receive a grade of 2.0 or higher in all RIS courses, to the undergraduate catalog and requirement sheets in the Bachelor of Radiologic and Imaging Sciences Technology degree concentrations This is to be effective fall 2010.

Background Information: The Bachelor of Radiologic and Imaging Sciences Technology degree concentrations state in the program handbooks that students must receive a grade of 2.0 or higher in all Radiologic and Imaging Sciences (RIS) courses. Students who fail to meet this requirement are dismissed from the program. Students may request re-entry into the program the following year but re-admission is based on previous academic work and possible future success in the program. If a student is re-admitted and fails to receive a grade of 2.0 or better a second time, there will be no re-entry. This proposal seeks to state this in the undergraduate catalog and on requirement sheets.

Alternatives and Consequences: None

Specific Recommendation and Justification: This should be effective fall 2010.

Timetable and Actions Required:

Department Speech Pathology and Audiology
College of EHHS
EPC
Faculty Senate

KENT STATE UNIVERSITY

CERTIFICATION OF CURRICULUM PROPOSAL

Preparation Date 2-Mar-09

Curriculum Bulletin _____

Effective Date Fall 2010

Approved by EPC _____

Department EHHS

College RC - Regional Campuses

Degree BRIT - Bachelor of Radiologic Imaging Sciences

Program Name **Radiologic and Imaging Sciences** Program Code **RIS**

Concentration(s) CT, DMS, MRI, NM, RTH Concentration(s) Code(s) RTAS, HATS, FRAS, NMRT, NMHO, NMFR, RTAA, RTHB, RTFE, MRRT, MRHA, CTRT, CTHA

Proposal Revise Program

Description of proposal:

Add to undergraduate catalog: Students must complete all RIS courses as noted in program requirements with a 2.0 or higher GPA.

Does proposed revision change program's total credit hours? ☐ Yes ☒ No

Current total credit hours:

Proposed total credit hours

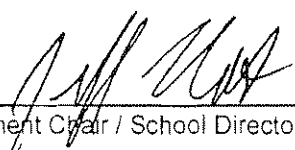
Describe impact on other programs, policies or procedures (e.g., encroachment and duplication issues; enrollment and staffing considerations; need; audience; prerequisites; teacher education licensure):

No impact on other programs

Units consulted (other departments, programs or campuses affected by this proposal):

School of SPA and College of EHHS

REQUIRED ENDORSEMENTS



Department Chair / School Director / Campus Dean

3 / 10 / 09

College Dean

 / /

Executive Dean of Regional Campuses / Dean of Graduate Studies

 / /

Senior Vice President for Academic Affairs and Provost

 / /

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
Computed Tomography (CT) Concentration for
Associate of Applied Science in Radiologic Technology Graduates
2008-2009

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Dept.	Course Number	Title	Credit Hours	Sem./Yr.	Complete
<input type="checkbox"/>	ENG	11001	Intro. to Coll. Writing S (3)	3		
<input type="checkbox"/>	ENG	11002	College Writing I - Stretch (3)	3		
<input type="checkbox"/>	MATH	10031	Fundamentals of Math I	1		
<input type="checkbox"/>	MATH	10032	Fundamentals of Math II	1		
<input type="checkbox"/>	MATH	10033	Fundamentals of Math III	1		
<input type="checkbox"/>	MATH	10034	Fundamentals of Math IV	1		
<input type="checkbox"/>	MATH	10035	Fundamentals of Math V	1		
<input type="checkbox"/>	MATH	10036	Fundamentals of Math VI	1		
<input type="checkbox"/>	US	10003	Read. Strat. for Coll. Suc.	3		
<input type="checkbox"/>	US	10006	Study Strat. for Coll. Suc.	3		

1. US 10097 First Year Exp. FLASH Point 1 _____

LIBERAL EDUCATION REQUIREMENTS

- Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____
- Mathematics, Critical Reasoning (3-4 hours)
Select from the following
MATH 11009 Modeling Algebra (4) _____
MATH 11010 Algebra for Calculus (3) _____
- *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from Fine Arts category required.

- *Social Science (6 hour)
Courses must be selected from **two** curricular areas
PSYC 11762 General Psychology 3 _____

- *Basic Sciences (6-7 hour)
CHEM 10050 Fundamentals of Chem. 3 _____
Select one lab from
CHEM 10031 Chemistry in our World (1) _____
PHY 21041 Phys. in Entertain. & Arts (1) _____
- *Additional LER's (6 hours)
Must be selected from two different categories.
COMM 15000 and PHIL 11009 may also be taken within this category.

Total LER Hours **37-38**

*Select from the University's LER list in the *Undergraduate Catalog*.

**See *Undergraduate Catalog* for list of courses.

NOTES

A minimum of 40 semester hours of upper division courses is required.

A minimum of 132 semester hours is required for graduation.

A minimum of 2.00 overall grade point average is required.

A minimum of 2.75 is required in the professional level courses.

Only general elective courses may be taken pass fail.

* Grade of "C" (2.0) or higher in each RIS course

Issued by the Office of the Executive Dean for Regional Campuses

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective.

One course must address domestic (US) diversity issues

One course must address global diversity issues

8. AAS in Radiologic Technology (54 hours).
Attach program requirement sheet.

Date awarded _____

9. Professional Level Courses *

Dept.	Course Number	Title	Credit Hours	Sem./Yr. Cmpl.	Grd 0-4	Qty Pts.
RIS	34084	CT/MRI Sect. Anatomy I	2			
RIS	34086	CT/MRI Sect. Anatomy II	2			
RIS	44021	Patient Mgmt. in CT	3			
RIS	44022	CT Procedures	3			
RIS	44024	Physical Principles of CT	3			
RIS	44025	CT Clinical Education I	3			
RIS	44027	CT Clinical Education II	3			
RIS	44083	Pathophysiology/Med. Im.	3			
RIS	44096	II: in Medical Imaging	3			

Total Professional Level Course Hours **25** GPA _____

10. Required Writing Intensive Course
RIS 44098 Research in Med. Imaging 3 _____

11. Upper Division Electives (12 hours)

TOTAL REQUIREMENTS 132-133

Student Signature _____ Date _____

Advisor Signature _____ Date _____

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
**Computed Tomography (CT) Concentration for
Hospital-Based Certificate Program and ATS Graduates
2008-2009**

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Course	Credit	Sem./Yr.
Dept.	Number Title	Hours	Complete
<input type="checkbox"/>	ENG 11001 Intro. to Coll. Writing S (3)	3	_____
<input type="checkbox"/>	ENG 11002 College Writing I - Stretch (3)	6	_____
<input type="checkbox"/>	MATH 10031 Fundamentals of Math I	1	_____
<input type="checkbox"/>	MATH 10032 Fundamentals of Math II	1	_____
<input type="checkbox"/>	MATH 10033 Fundamentals of Math III	1	_____
<input type="checkbox"/>	MATH 10034 Fundamentals of Math IV	1	_____
<input type="checkbox"/>	MATH 10035 Fundamentals of Math V	1	_____
<input type="checkbox"/>	MATH 10036 Fundamentals of Math VI	1	_____
<input type="checkbox"/>	US 10003 Read. Strat. for Coll. Suc.	3	_____
<input type="checkbox"/>	US 10006 Study Strat. for Coll. Suc.	3	_____
1.	US 10097 First Year Exp. FLASH Point	1	_____

LIBERAL EDUCATION REQUIREMENTS

- Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____
- Mathematics, Critical Reasoning (3-4 hours)
Select from the following
MATH 11009 Modeling Algebra (4) _____
MATH 11010 Algebra for Calculus (3) _____
- *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from Fine Arts category required.

- *Social Science (6 hour)
Courses must be selected from **two** curricular areas
PSYC 11762 General Psychology 3 _____

- *Basic Sciences (6-7 hour)
CHEM 10050 Fundamentals of Chem. 3 _____

Select one lab from
CHEM 10031 Chemistry in Our World (1) _____
PHY 21041 Phys. in Entertain. & Arts (1) _____
- *Additional LER's (6 hours)
Must be selected from two different categories.
COMM 15000 and PHIL 11009 may also be taken within this category.

Total LER Hours 37-38

*Select from the University's LER list in the *Undergraduate Catalog*.

**See *Undergraduate Catalog* for list of courses.

NOTES

A minimum of 40 semester hours of upper division courses is required.

A minimum of 122 semester hours is required for graduation.

A minimum of 2.00 overall grade point average is required.

A minimum of 2.75 is required in the professional level courses.

Only general elective courses may be taken pass fail.

Issued by the Office of the Executive Dean for Regional Campuses

* Grade of *C* (2.0) or higher in each RIS Course.

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective.

One course must address domestic (US) diversity issues

One course must address global diversity issues

- ATS Radiologic Technology, Nuclear Medicine or Diagnostic Medical Sonography from hospital-based certificate program (32 hours). Attach program requirement sheet.

Date awarded _____

- Required course from Associate Degree (3 hours)
COMT 11000 Intro. to Computer Systems 3 _____

- Lower Division Electives (9 hours)

11. Professional Level Courses *

Dept.	Course Number	Title	Credit Hours	Yr. Cmpl	Sem/Grd	City Pts.
RIS	34084	CT/MRI Sect. Anatomy I	2	_____	_____	_____
RIS	34086	CT/MRI Sect. Anatomy II	2	_____	_____	_____
RIS	44021	Patient Managemt. in CT	3	_____	_____	_____
RIS	44022	CT Procedures	3	_____	_____	_____
RIS	44024	Physical Principles of CT	3	_____	_____	_____
RIS	44025	CT Clinical Education I	3	_____	_____	_____
RIS	44027	CT Clinical Education II	3	_____	_____	_____
RIS	44083	Pathophysiology/Med. Im.	3	_____	_____	_____
RIS	44096	II: in Medical Imaging	3	_____	_____	_____

Total Professional Level Course Hours 25 GPA _____

- Required Writing Intensive Course
RIS 44098 Research in Med. Imaging 3 _____

- Upper Division Electives (12 hours)

TOTAL REQUIREMENTS 122-123

Student Signature _____ Date _____

Advisor Signature _____ Date _____

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
Diagnostic Medical Sonography (DMS) Concentration for
Associate of Applied Science in Radiologic Technology Graduates
2008-2009

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Dept.	Course Number	Title	Credit Hours	Sem./Yr.	Complete
<input type="checkbox"/>	ENG	11001	Intro. to Coll. Writing S (3)	3		
<input type="checkbox"/>	ENG	11002	College Writing I - Stretch (3)	3		
<input type="checkbox"/>	MATH	10031	Fundamentals of Math I	1		
<input type="checkbox"/>	MATH	10032	Fundamentals of Math II	1		
<input type="checkbox"/>	MATH	10033	Fundamentals of Math III	1		
<input type="checkbox"/>	MATH	10034	Fundamentals of Math IV	1		
<input type="checkbox"/>	MATH	10035	Fundamentals of Math V	1		
<input type="checkbox"/>	MATH	10036	Fundamentals of Math VI	1		
<input type="checkbox"/>	US	10003	Read. Strat. for Coll. Suc.	3		
<input type="checkbox"/>	US	10006	Study Strat. for Coll. Suc.	3		

1. US 10097 First Year Exp. FLASH Point 1 _____

LIBERAL EDUCATION REQUIREMENTS

- Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____
- Mathematics, Critical Reasoning (3-4 hours)
Select from the following:
MATH 11009 Modeling Algebra (4) _____
MATH 11010 Algebra for Calculus (3) _____
- *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from Fine Arts category required.

- *Social Science (6 hour)
Courses must be selected from **two** curricular areas
PSYC 11762 General Psychology 3 _____

- *Basic Sciences (6-7 hour)
CHEM 10050 Fundamentals of Chem. 3 _____
Select one lab from:
CHEM 10031 Chemistry in our World (1) _____
PHY 21041 Phys. in Entertain. & Arts (1) _____
- *Additional LER's (6 hours)
Must be selected from two different categories.
COMM 15000 and PHIL 11009 may also be taken within this category.

Total LER Hours 37-38

*Select from the University's LER list in the *Undergraduate Catalog*.

**See *Undergraduate Catalog* for the list of courses.

NOTES

A minimum of 41 semester hours of upper division courses is required.

A minimum of 133 semester hours is required for graduation.

A minimum of 2.00 overall grade point average is required.

A minimum of 2.75 is required in the professional level courses.

Only general elective courses may be taken pass fail.

*Grade of "C" (2.0) or higher in each RIS course.

Issued by the Office of the Executive Dean for Regional Campuses

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective.

One course must address domestic (US) diversity issues

One course must address global diversity issues

8. AAS in Radiologic Technology (54 hours).
Attach program requirement sheet.

Date awarded _____

9. Professional Level Courses*

Dept.	Course Number	Title	Credit Hours	Sem/ Yr.	Grd	Qty
RIS	34042	Abdominal Sonography I	3			
RIS	34044	US Physics & Instrument.	3			
RIS	34045	US Clinical Education I	2			
RIS	34052	Abdominal Sonography II	3			
RIS	34055	US Clinical Education II	3			
RIS	34062	OB-Gyn Sonography I	3			
RIS	34065	US Clinical Education III	2			
RIS	34082	Small Parts Sonography	1			
RIS	34083	Sectional Anatomy	3			
RIS	44072	OB-Gyn Sonography II	3			
RIS	44074	Vascular Sonography	2			
RIS	44075	US Clinical Education IV	3			
RIS	44083	Pathophysiology/Med. Im.	3			
RIS	44084	US Image Evaluation	1			
RIS	44085	US Clinical Education V	3			

Total Professional Level Course Hours 38 GPA _____

10. Required Writing Intensive Course

RIS 44098 Research in Med. Imaging 3 _____

TOTAL REQUIREMENTS 133-134

Student Signature _____ Date _____

Advisor Signature _____ Date _____

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
**Diagnostic Medical Sonography (DMS) Concentration for
Hospital-Based Certificate Program and ATS Graduates
2008-2009**

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Dept.	Course Number	Title	Credit Hours	Sem./Yr.	Complete
<input type="checkbox"/>	ENG	11001	Intro. to Coll. Writing S (3)	3		
<input type="checkbox"/>	ENG	11002	College Writing I – Stretch (3)	3		
<input type="checkbox"/>	MATH	10031	Fundamentals of Math I	1		
<input type="checkbox"/>	MATH	10032	Fundamentals of Math II	1		
<input type="checkbox"/>	MATH	10033	Fundamentals of Math III	1		
<input type="checkbox"/>	MATH	10034	Fundamentals of Math IV	1		
<input type="checkbox"/>	MATH	10035	Fundamentals of Math V	1		
<input type="checkbox"/>	MATH	10036	Fundamentals of Math VI	1		
<input type="checkbox"/>	US	10003	Read. Strat. for Coll. Suc.	3		
<input type="checkbox"/>	US	10006	Study Strat. for Coll. Suc.	3		

1. US 10097 First Year Exp. FLASH Point 1 _____

LIBERAL EDUCATION REQUIREMENTS

2. Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____

3. Mathematics, Critical Reasoning (3-4 hours)
Select from the following
MATH 11009 Modeling Algebra (4) _____
MATH 11010 Algebra for Calculus (3) _____

4. *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from
Fine Arts category required.

5. *Social Science (6 hour)
Courses must be selected from **two** curricular areas
PSYC 11762 General Psychology 3 _____

6. *Basic Sciences (6-7 hour)
CHEM 10050 Fundamentals of Chem. 3 _____
Select one lab from
CHEM 10031 Chemistry in our World (1) _____
PHY 21041 Phys. in Entertain. & Arts (1) _____

7. *Additional LER's (6 hours)
Must be selected from two different categories.
COMM 15000 and PHIL 11009 may also be taken within this
category.

Total LER Hours 37-38

*Select from the University's LER list in the Undergraduate Catalog.

**See Undergraduate Catalog for list of courses.

NOTES

A minimum of 41 semester hours of upper division courses is required.

A minimum of 121 semester hours is required for graduation.

A minimum of 2.00 overall grade point average is required.

A minimum of 2.75 is required in the professional level courses.

Only general elective courses may be taken pass fail.

*Grade of "C" (2.0) or higher in each RIS course

Issued by the Office of the Executive Dean for Regional Campuses

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective.

One course must address domestic (US) diversity issues

One course must address global diversity issues

8. ATS Radiologic Technology, Nuclear Medicine or Diagnostic Medical Sonography from hospital-based certificate program (32 hours). Attach program requirement sheet.

Date awarded _____

9. Required course from associate degree
COMT 11000 Intro. to Computer Systems 3 _____

10. Lower Division Electives (7 hours)

11. Professional Level Courses *

Dept.	Course Number	Title	Credit Hours	Sem/ Yr.	Grd 0-4	Qty Pts
RIS	34042	Abdominal Sonography I	3			
RIS	34044	US Physics & Instrument.	3			
RIS	34045	US Clinical Education I	2			
RIS	34052	Abdominal Sonography II	3			
RIS	34055	US Clinical Education II	3			
RIS	34062	OB-Gyn Sonography I	3			
RIS	34065	US Clinical Education III	2			
RIS	34082	Small Parts Sonography	1			
RIS	34083	Sectional Anatomy	3			
RIS	44072	OB-Gyn Sonography II	3			
RIS	44074	Vascular Sonography	2			
RIS	44075	US Clinical Education IV	3			
RIS	44083	Pathophysiology/Med. Im.	3			
RIS	44084	US Image Evaluation	1			
RIS	44085	US Clinical Education V	3			

Total Professional Level Course Hours 38 GPA _____

12. Required Writing Intensive Course
RIS 44098 Research in Med. Imaging 3 _____

TOTAL REQUIREMENTS 121-122

Student Signature _____ Date _____

Advisor Signature _____ Date _____

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
Diagnostic Medical Sonography (DMS) Concentration for
Freshman Entry or Associate of Science Degree Graduates
2008-2009

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Dept.	Course Number	Title	Credit Hours	Sem./Yr.	Complete
<input type="checkbox"/>	ENG	11001	Intro. to Coll. Writing S (3)	3		
<input type="checkbox"/>	ENG	11002	College Writing I - Stretch (3)	6		
<input type="checkbox"/>	MATH	10031	Fundamentals of Math I	1		
<input type="checkbox"/>	MATH	10032	Fundamentals of Math II	1		
<input type="checkbox"/>	MATH	10033	Fundamentals of Math III	1		
<input type="checkbox"/>	MATH	10034	Fundamentals of Math IV	1		
<input type="checkbox"/>	MATH	10035	Fundamentals of Math V	1		
<input type="checkbox"/>	MATH	10036	Fundamentals of Math VI	1		
<input type="checkbox"/>	US	10003	Read. Strat. for Coll. Suc.	3		
<input type="checkbox"/>	US	10006	Study Strat. for Coll. Suc.	3		
1.	US	10097	First Year Exp. FLASH Point	1		

LIBERAL EDUCATION REQUIREMENTS

- Composition (6 hours)
ENG 11011 College Writing I 3
ENG 21011 College Writing II 3
- Mathematics, Critical Reasoning (3-4 hours)
Select from the following
MATH 11009 Modeling Algebra (4)
MATH 11010 Algebra for Calculus (3)
- *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from Fine Arts category required.
- *Social Science (6 hour)
Courses must be selected from **two** curricular areas
PSYC 11762 General Psychology 3
- Basic Sciences (6-7 hour minimum required by LER; 10 hours total required by program)
BSCI 20020 Biological Structure & Func. 5
PHY 13001 General College Physics I 4
PHY 13021 Gen. College Physics I Lab 1
- *Additional LER's (6 hours)
Must be selected from two different categories.
COMM 15000 and PHIL 11009 may also be taken within this category.

Total LER Hours 41-42

*Select from the University's LER list in the Undergraduate Catalog.

**See Undergraduate Catalog for list of courses.

NOTES

A minimum of 41 semester hours of upper division courses is required.

A minimum of 121 semester hours is required for graduation.

A minimum of 2.00 overall grade point average is required.

A minimum of 2.75 is required in the professional level courses.

Only general elective courses may be taken pass fail.

* Grade of "C" (2.0) or higher in each RIS course.

Issued by the Office of the Executive Dean for Regional Campuses

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective. One course must address domestic (US) diversity issues.

One course must address global diversity issues

- Associate of Science (31 hours). Attach program requirement sheet. Date awarded _____

- OR -

Freshman Entry Lower Division Electives (30 hours)

- Required Related Courses (9 hours)

COMT	11000	Intro. to Computer Systems	3
HED	14020	Medical Terminology	3
RADT	14002	Introduction to Patient Care	3

- Professional Level Courses *

Dept.	Course Number	Title	Credit Hours	Sem/ Yr.	Grd	Qty
RIS	34042	Abdominal Sonography I	3			
RIS	34044	US Physics & Instrument	3			
RIS	34045	US Clinical Education I	2			
RIS	34052	Abdominal Sonography II	3			
RIS	34055	US Clinical Education II	3			
RIS	34062	OB-Gyn Sonography I	3			
RIS	34065	US Clinical Education III	2			
RIS	34082	Small Parts Sonography	1			
RIS	34083	Sectional Anatomy	3			
RIS	44072	OB-Gyn Sonography II	3			
RIS	44074	Vascular Sonography	2			
RIS	44075	US Clinical Education IV	3			
RIS	44083	Pathophysiology/Med. Im.	3			
RIS	44084	US Image Evaluation	1			
RIS	44085	US Clinical Education V	3			

Total Professional Level Course Hours 38 GPA _____

- Required Writing Intensive Course

RIS	44098	Research in Med. Imaging	3
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TOTAL REQUIREMENTS

121-123

Student Signature _____

Date _____

Advisor Signature _____

Date _____

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
Magnetic Resonance Imaging (MRI) Concentration for
Associate of Applied Science in Radiologic Technology Graduates
2008-2009

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Course	Credit	Sem./Yr.
Dept.	Number Title	Hours	Complete
ENG	11001 Intro. to Coll. Writing S (3)	3	_____
ENG	11002 College Writing I - Stretch (3) 6	6	_____
MATH	10031 Fundamentals of Math I	1	_____
MATH	10032 Fundamentals of Math II	1	_____
MATH	10033 Fundamentals of Math III	1	_____
MATH	10034 Fundamentals of Math IV	1	_____
MATH	10035 Fundamentals of Math V	1	_____
MATH	10036 Fundamentals of Math VI	1	_____
US	10003 Read. Strat. for Coll. Suc.	3	_____
US	10006 Study Strat. for Coll. Suc.	3	_____
US	10097 First Year Exp. FLASH Point 1	1	_____

LIBERAL EDUCATION REQUIREMENTS

- Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____
- Mathematics, Critical Reasoning (3-4 hours)
Select from the following:
MATH 11009 Modeling Algebra (4) _____
MATH 11010 Algebra for Calculus (3) _____
- *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from Fine Arts category required.

- *Social Science (6 hour)
Courses must be selected from **two** curricular areas
PSYC 11762 General Psychology 3 _____

- *Basic Sciences (6-7 hour)
CHEM 10050 Fundamentals of Chem. 3 _____
Select one lab from
CHEM 10031 Chemistry in our World (1) _____
PHY 21041 Phys. in Entertain. & Arts (1) _____
- *Additional LER's (6 hours)
Must be selected from two different categories.
COMM 15000 and PHIL 11009 may also be taken within this category.

Total LER Hours 37-38

*Select from the University's LER list in the *Undergraduate Catalog*.

**See *Undergraduate Catalog* for list of courses.

NOTES

A minimum of 39 semester hours of upper division courses is required.

A minimum of 131 semester hours is required for graduation.

A minimum of 2.00 overall grade point average is required.

A minimum of 2.75 is required in the professional level courses.

Only general elective courses may be taken pass fail.

Issued by the Office of the Executive Dean for Regional Campuses

*Grade of "C" (2.0) or higher in each RIS course.

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective.

One course must address domestic (US) diversity issues

One course must address global diversity issues

- AAS in Radiologic Technology (54 hours).
Attach program requirement sheet.

Date awarded _____

9. Professional Level Courses *

Dept.	Course	Credit	Sem/	Yr.	Grd	Qty
	Number Title	Hours	Cmpl	0-4	Pts.	
RIS	34084 CT/MRI Sect. Anatomy I	2				
RIS	34086 CT/MRI Sect. Anatomy II	2				
RIS	44031 Patient Mgmt. in MRI	3				
RIS	44035 MRI Clinical Education I	3				
RIS	44036 MRI Clinical Education II	3				
RIS	44037 MRI Clinical Education III	3				
RIS	44044 MRI Procedures I	2				
RIS	44045 MRI Procedures II	2				
RIS	44051 MRI Equip/Img. Acq. I	2				
RIS	44052 MRI Equip/Img. Acq. II	2				
RIS	44083 Pathophysiology/Med. Im	3				

Total Professional Level Course Hours 27 GPA _____

- Required Writing Intensive Course
RIS 44098 Research in Med. Imaging 3 _____

- Upper Division Electives (9 hours)

TOTAL REQUIREMENTS 131-132

Student Signature _____ Date _____

Advisor Signature _____ Date _____

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
**Magnetic Resonance Imaging (MRI) Concentration for
Hospital-Based Certificate Program and ATS Graduates
2008-2009**

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Course	Credit	Sem./Yr.
Dept.	Number Title	Hours	Complete
<input type="checkbox"/>	ENG 11001 Intro. to Coll. Writing S (3)	3	_____
<input type="checkbox"/>	ENG 11002 College Writing I - Stretch (3)	3	_____
<input type="checkbox"/>	MATH 10031 Fundamentals of Math I	1	_____
<input type="checkbox"/>	MATH 10032 Fundamentals of Math II	1	_____
<input type="checkbox"/>	MATH 10033 Fundamentals of Math III	1	_____
<input type="checkbox"/>	MATH 10034 Fundamentals of Math IV	1	_____
<input type="checkbox"/>	MATH 10035 Fundamentals of Math V	1	_____
<input type="checkbox"/>	MATH 10036 Fundamentals of Math VI	1	_____
<input type="checkbox"/>	US 10003 Read. Strat. for Coll. Suc.	3	_____
<input type="checkbox"/>	US 10006 Study Strat. for Coll. Suc.	3	_____

1. US 10097 First Year Exp. FLASH Point 1 _____

LIBERAL EDUCATION REQUIREMENTS

- Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____
- Mathematics, Critical Reasoning (3-4 hours)
Select from the following:
MATH 11009 Modeling Algebra (4) _____
MATH 11010 Algebra for Calculus (3) _____
- *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from Fine Arts category required.

- *Social Science (6 hour)
Courses must be selected from **two** curricular areas
PSYC 11762 General Psychology 3 _____

- *Basic Sciences (6-7 hour)
CHEM 10050 Fundamentals of Chem. 3 _____
Select one lab from
CHEM 10031 Chemistry in our World (1) _____
PHY 21041 Phys. in Entertain. & Arts (1) _____
- *Additional LER's (6 hours)
Must be selected from two different categories.
COMM 15000 and PHIL 11009 may also be taken within this category.

Total LER Hours 37-38

*Select from the University's LER list in the *Undergraduate Catalog*.

**See *Undergraduate Catalog* for list of courses.

NOTES

A minimum of 39 semester hours of upper division courses is required.

A minimum of 121 semester hours is required for graduation.

A minimum of 2.00 overall grade point average is required.

A minimum of 2.75 is required in the professional level courses.

Only general elective courses may be taken pass fail.

Issued by the Office of the Executive Dean for Regional Campuses

* Grade of "C" (2.0) or higher in each RIS Course.

LER DIVERSITY REQUIREMENT

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective.*

One course must address domestic (US) diversity issues

One course must address global diversity issues

- ATS Radiologic Technology, Nuclear Medicine or Diagnostic Medical Sonography from hospital-based certificate program (32 hours). Attach program requirement sheet.

Date awarded _____

- Required course from Associate Degree (3 hours)
COMT 11000 Intro. to Computer Systems 3 _____

- Lower Division Electives (9 hours)

11. Professional Level Courses

Dept.	Course	Credit	Sem/	Grd	Qty
	Number Title	Hours	Yr.	0-4	Pts.
RIS	34084 CT/MRI Sect. Anatomy I	2			
RIS	34086 CT/MRI Sect. Anatomy II	2			
RIS	44031 Patient Mgmt. in MRI	3			
RIS	44035 MRI Clinical Education I	3			
RIS	44037 MRI Clinical Education III	3			
RIS	44036 MRI Clinical Education II	3			
RIS	44044 MRI Procedures I	2			
RIS	44045 MRI Procedures II	2			
RIS	44051 MRI Equip/Img. Acq. I	2			
RIS	44052 MRI Equip/Img. Acq. II	2			
RIS	44083 Pathophysiology/Med. Im	3			

Total Professional Level Course Hours 27 GPA _____

- Required Writing Intensive Course
RIS 44098 Research in Med. Imaging 3 _____

- Upper Division Electives (9 hours)

TOTAL REQUIREMENTS 121-122

Student Signature _____ Date _____

Advisor Signature _____ Date _____

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
Nuclear Medicine (NM) Concentration for
Associate of Applied Science in Radiologic Technology Graduates
2008-2009

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

Course	Credit	Sem./Yr.
Dept. Number Title	Hours	Complete
<input type="checkbox"/> ENG 11001 Intro. to Coll. Writing S (3)	3	_____
<input type="checkbox"/> ENG 11002 College Writing I - Stretch (3)	6	_____
<input type="checkbox"/> MATH 10031 Fundamentals of Math I	1	_____
<input type="checkbox"/> MATH 10032 Fundamentals of Math II	1	_____
<input type="checkbox"/> MATH 10033 Fundamentals of Math III	1	_____
<input type="checkbox"/> MATH 10034 Fundamentals of Math IV	1	_____
<input type="checkbox"/> MATH 10035 Fundamentals of Math V	1	_____
<input type="checkbox"/> MATH 10036 Fundamentals of Math VI	1	_____
<input type="checkbox"/> US 10003 Read. Strat. for Coll. Suc.	3	_____
<input type="checkbox"/> US 10006 Study Strat. for Coll. Suc.	3	_____

1. US 10097 First Year Exp. FLASH Point 1 _____

LIBERAL EDUCATION REQUIREMENTS

- Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____
- Mathematics, Critical Reasoning (3-4 hours)
Select from the following
MATH 11009 Modeling Algebra (4) _____
MATH 11010 Algebra for Calculus (3) _____
- *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from Fine Arts category required.

- *Social Science (6 hour)
Courses must be selected from two curricular areas
PSYC 11762 General Psychology 3 _____

- *Basic Sciences (6-7 hour)
CHEM 10050 Fundamentals of Chem. 3 _____
Select one lab from
CHEM 10031 Chemistry in our World (1) _____
PHY 21041 Phys. in Entertain. & Arts (1) _____
- *Additional LER's (6 hours)
Must be selected from two different categories.
COMM 15000 and PHIL 11009 may also be taken within this category.

Total LER Hours 38-39

*Select from the University's LER list in the Undergraduate Catalog.
**See Undergraduate Catalog for list of courses.

NOTES

A minimum of 39 semester hours of upper division courses is required.
A minimum of 131 semester hours is required for graduation.
A minimum of 2.00 overall grade point average is required.
A minimum of 2.75 is required in the professional level courses.

Only general elective courses may be taken pass fail.
* Grade of "C" (2.0) or higher in each RIS course.
Issued by the Office of the Executive Dean for Regional Campuses

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective.

One course must address domestic (US) diversity issues

One course must address global diversity issues

8. AAS in Radiologic Technology (54 hours).
Attach program requirement sheet.

Date awarded _____

9. Professional Level Courses *

Course	Credit	Sem/	Grd	Qty
Dept. Number Title	Hours	Yr.	0-4	Pts.
RIS 44001 NM Patient Management	3			
RIS 44002 NM Procedures I	3			
RIS 44005 NM Clinical Education I	3			
RIS 44006 NM Physics/Instrument. I	4			
RIS 44010 NM Clinical Education II	3			
RIS 44011 NM Radiopharmacy	4			
RIS 44012 NM Procedures II	3			
RIS 44014 NM Physics/Instrument. II	3			
RIS 44015 NM Clinical Education III	2			
RIS 44016 NM Procedures III	3			
RIS 44017 NM Radiation Safety	3			
RIS 44020 NM Clinical Education IV	2			

Total Professional Level Course Hours 36 GPA _____

10. Required Writing Intensive Course

RIS 44098 Research in Med. Imaging 3 _____

TOTAL REQUIREMENTS 131-132

Student Signature _____ Date _____

Advisor Signature _____ Date _____

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
**Nuclear Medicine (NM) Concentration for
Hospital-Based Certificate Program and ATS Graduates
2008-2009**

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Dept.	Course Number	Title	Credit Hours	Sem./Yr.	Complete
<input type="checkbox"/>	ENG	11001	Intro. to Coll. Writing S (3)			
<input type="checkbox"/>	ENG	11002	College Writing I - Stretch (3)	6		
<input type="checkbox"/>	MATH	10031	Fundamentals of Math I	1		
<input type="checkbox"/>	MATH	10032	Fundamentals of Math II	1		
<input type="checkbox"/>	MATH	10033	Fundamentals of Math III	1		
<input type="checkbox"/>	MATH	10034	Fundamentals of Math IV	1		
<input type="checkbox"/>	MATH	10035	Fundamentals of Math V	1		
<input type="checkbox"/>	MATH	10036	Fundamentals of Math VI	1		
<input type="checkbox"/>	US	10003	Read. Strat. for Coll. Suc.	3		
<input type="checkbox"/>	US	10006	Study Strat. for Coll. Suc.	3		

1. US 10097 First Year Exp. FLASH Point 1 _____

LIBERAL EDUCATION REQUIREMENTS

- Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____
- Mathematics, Critical Reasoning (3-4 hours)
Select from the following:
MATH 11009 Modeling Algebra (4) _____
MATH 11010 Algebra for Calculus (3) _____
- *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from Fine Arts category required.

- *Social Science (6 hour)
Courses must be selected from **two** curricular areas
PSYC 11762 General Psychology 3 _____

- *Basic Sciences (6-7 hour)
CHEM 10050 Fundamentals of Chem. 3 _____
Select one lab from
CHEM 10031 Chemistry in our World (1) _____
PHY 21041 Phys. in Entertain. & Arts (1) _____
- *Additional LER's (6 hours)
Must be selected from two different categories.
COMM 15000 and PHIL 11009 may also be taken within this category.

Total LER Hours 37-38

*Select from the University's LER list in the *Undergraduate Catalog*.

**See *Undergraduate Catalog* for list of courses.

NOTES

A minimum of 39 semester hours of upper division courses is required.

A minimum of 121 semester hours is required for graduation.

A minimum of 2.00 overall grade point average is required.

A minimum of 2.75 is required in the professional level courses.

Only general elective courses may be taken pass fail.

Issued by the Office of the Executive Dean for Regional Campuses

* Grade of "C" (2.0) or higher in each RIS course.

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first course must come from the LER requirement; the second course may be taken as a second LER, within a minor, or as a general elective.

One course must address domestic (US) diversity issues

One course must address global diversity issues

8. ATS Radiologic Technology, Nuclear Medicine or Diagnostic Medical Sonography from hospital-based certificate program (32 hours). Attach program requirement sheet.

Date awarded _____

9. Required course from Associate Degree (3 hours)
COMT 11000 Intro. to Computer Systems 3 _____

10. Lower Division Electives (9 hours)

11. Professional Level Courses *

	Course	Credit Hours	Sem/ Yr.	Grd	Qty
Dept.	Number Title		Hours	Cmpl	0-4 Pls.
RIS	44001 NM Patient Management	3			
RIS	44002 NM Procedures I	3			
RIS	44005 NM Clinical Education I	3			
RIS	44006 NM Physics/Instrument. I	4			
RIS	44010 NM Clinical Education II	3			
RIS	44011 NM Radiopharmacy	4			
RIS	44012 NM Procedures II	3			
RIS	44014 NM Physics/Instrument. II	3			
RIS	44015 NM Clinical Education III	2			
RIS	44016 NM Procedures III	3			
RIS	44017 NM Radiation Safety	3			
RIS	44020 NM Clinical Education IV	2			

Total Professional Level Course Hours 36 GPA _____

12. Required Writing Intensive Course
RIS 44098 Research in Med. Imaging 3 _____

TOTAL REQUIREMENTS 121-122

Student Signature _____ Date _____

Advisor Signature _____ Date _____

Requirement Sheet
Bachelor of Radiologic and Imaging Sciences Technology
**Nuclear Medicine (NM) Concentration for
Freshman Entry or Associate of Science Degree Graduates
2008-2009**

Student Name: _____
Campus: _____

DEVELOPMENTAL PRESCRIPTION COURSES

Determined by Basic Skills Assessment
(Check Required Courses)

	Course	Credit	Sem./Yr.
Dept.	Number Title	Hours	Complete
<input type="checkbox"/>	ENG 11001 Intro. to Coll. Writing S (3)	3	_____
<input type="checkbox"/>	ENG 11002 College Writing I – Stretch (3)	6	_____
<input type="checkbox"/>	MATH 10031 Fundamentals of Math I	1	_____
<input type="checkbox"/>	MATH 10032 Fundamentals of Math II	1	_____
<input type="checkbox"/>	MATH 10033 Fundamentals of Math III	1	_____
<input type="checkbox"/>	MATH 10034 Fundamentals of Math IV	1	_____
<input type="checkbox"/>	MATH 10035 Fundamentals of Math V	1	_____
<input type="checkbox"/>	MATH 10036 Fundamentals of Math VI	1	_____
<input type="checkbox"/>	US 10003 Read. Strat. for Coll. Suc.	3	_____
<input type="checkbox"/>	US 10006 Study Strat. for Coll. Suc.	3	_____

1. US 10097 First Year Exp. FLASH Point 1 _____

LIBERAL EDUCATION REQUIREMENTS

2. Composition (6 hours)
ENG 11011 College Writing I 3 _____
ENG 21011 College Writing II 3 _____
3. Mathematics, Critical Reasoning (3-4 hours)
Select from the following
MATH 11009 Modeling Algebra (4) _____
MATH 11010 Algebra for Calculus (3) _____

4. *Humanities and Fine Arts (9 hours)
Minimum one course from Humanities and one course from
Fine Arts category required.

5. *Social Science (6 hour)
Courses must be selected from **two** curricular areas
PSYC 11762 General Psychology 3 _____

6. Basic Sciences (6-7 hour minimum required by LER 10-11
hours total required by program)
BSCI 20020 Biological Structure & Func. 5 _____
Choose one group from the following
CHEM 10054 Gen/Elem. Organ. Chem. (5) _____
OR
CHEM 10050 Fundamentals/Chem (3) _____
CHEM 10052 Intro to Organic Chem. (2) _____
CHEM 10053 Inorganic/Organ. Lab (1) _____

7. *Additional LER's (6 hours)
Must be selected from two different categories.
COMM 15000 and PHIL 11009 may also be taken within this
category.

Total LER Hours 41-43

*Select from the University's LER list in the *Undergraduate Catalog*.

**See *Undergraduate Catalog* for list of courses.

NOTES

A minimum of 39 semester hours of upper division courses is required.

A minimum of 121 semester hours is required for graduation.

A minimum of 2.00 overall grade point average is required.

A minimum of 2.75 is required in the professional level courses.

Only general elective courses may be taken pass fail.

* *Grade of "C" (2.0) or higher in each RIS Course.*
Issued by the Office of the Executive Dean for Regional Campuses

LER DIVERSITY REQUIREMENT**

All students must complete a two-course diversity requirement. The first
course must come from the LER requirement; the second course may be
taken as a second LER, within a minor, or as a general elective.

One course must address domestic (US) diversity issues

One course must address global diversity issues

8. Associate of Science (35 hours). Attach program
requirement sheet. Date awarded _____

- OR -

Freshman Entry Lower Division Electives (35 hours)

9. Required Related Courses (6 hours)
COMT 11000 Intro. to Computer Systems 3 _____
HED 14020 Medical Terminology 3 _____

10. Professional Level Courses*

Dept.	Course	Credit	Sem/	Grd	Qty
Number	Title	Hours	Yr.	0-4	Pts.
RIS 44001	NM Patient Management	3	_____	_____	_____
RIS 44002	NM Procedures I	3	_____	_____	_____
RIS 44005	NM Clinical Education I	3	_____	_____	_____
RIS 44006	NM Physics/Instrument. I	4	_____	_____	_____
RIS 44010	NM Clinical Education II	3	_____	_____	_____
RIS 44011	NM Radiopharmacy	4	_____	_____	_____
RIS 44012	NM Procedures II	3	_____	_____	_____
RIS 44014	NM Physics/Instrument. II	3	_____	_____	_____
RIS 44015	NM Clinical Education III	2	_____	_____	_____
RIS 44016	NM Procedures III	3	_____	_____	_____
RIS 44017	NM Radiation Safety	3	_____	_____	_____
RIS 44020	NM Clinical Education IV	2	_____	_____	_____

Total Professional Level Course Hours 36 GPA _____

11. Required Writing Intensive Course
RIS 44098 Research in Med. Imaging 3 _____

TOTAL REQUIREMENTS 121-123

Student Signature _____ Date _____

Advisor Signature _____ Date _____