

Status: PENDING

PROGRAM REQUEST
Radiologic Sciences & Therapy

Last Updated: Soave, Melissa A
04/08/2011

Fiscal Unit/Academic Org	School of Allied Medical Prof - D2504
Administering College/Academic Group	The College of Medicine
Co-administering College/Academic Group	
Semester Conversion Designation	Converted with minimal changes to program goals and/or curricular requirements (e.g., sub-plan/specialization name changes, changes in electives and/or prerequisites, minimal changes in overall structure of program, minimal or no changes in program goals or content)
Current Program/Plan Name	Radiologic Sciences & Therapy
Proposed Program/Plan Name	Radiologic Sciences & Therapy
Program/Plan Code Abbreviation	RADSCI-BS
Current Degree Title	Bachelor of Science in Allied Health Professions

Credit Hour Explanation

Program credit hour requirements		A) Number of credit hours in current program (Quarter credit hours)	B) Calculated result for 2/3rds of current (Semester credit hours)	C) Number of credit hours required for proposed program (Semester credit hours)	D) Change in credit hours
Total minimum credit hours required for completion of program		187	124.7	132	7.3
Required credit hours offered by the unit	Minimum	100	66.7	80	13.3
	Maximum				
Required credit hours offered outside of the unit	Minimum	87	58.0	52	6.0
	Maximum				
Required prerequisite credit hours not included above	Minimum	59	39.3	43	3.7
	Maximum				

Explain any change in credit hours if the difference is more than 4 semester credit hours between the values listed in columns B and C for any row in the above table

- This conversion adds the equivalent of 7.3 credit hours minimum compared to the semester conversion formula.

Required credit hours offered outside of the unit and double counted hours:

o Recent accreditation standards now require a formal course in pharmacology for Radiography and this was added to the curriculum. Due to our program's heavy emphasis on ionizing and non-ionizing radiation, the prerequisite of general physics must include the entire content of Physics 112. This program will now require 2 semesters of physics instead of 2 quarters. As a result, the general chemistry, communications, and computer technology prerequisite courses were eliminated and the pertinent content specific to program accreditation curricular requirements have been added to the introductory course offered by the unit. This accounts for a decrease of 13 credit hours out of the unit and an increase of 7.4 credit hours in the unit.

Required credit hours offered by the unit:

o Radiologic Sciences and Therapy programs rely heavily on meeting the mandated number of clinical hours and patient examination competencies. It was necessary to insure that clinical hours and associated credits were balanced between accreditation requirements and the need to standardized credit hour to clock hour ratio within SAMP. This adjustment of credit hours to demonstrate compliance with all parties explains the 7.3 credit hour increase in clinical courses.

Program Learning Goals

Note: these are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

- | | |
|-------------------------------|--|
| Program Learning Goals | <ul style="list-style-type: none"> • Communicate in a clear and effective manner with people from various socio-cultural backgrounds, both verbally and in writing. • Demonstrate critical thinking, professional decision making, and psychomotor skills necessary for safe and competent practice in Radiography, Radiation Therapy, or Sonography. • Integrate evidence-based practice and scholarship in making and prioritizing professional decisions related to Radiation Therapy, Radiography, or Sonography. |
|-------------------------------|--|

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Assessment

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

Is this a degree program (undergraduate, graduate, or professional) or major proposal? Yes

Does the degree program or major have an assessment plan on file with the university Office of Academic Affairs? Yes

Summarize how the program's current quarter-based assessment practices will be modified, if necessary, to fit the semester calendar.

- The Radiologic Sciences and Therapy Division employs a variety of assessment tools that are required by both the JRCERT and the JRC-DMS for programmatic accreditation.
- These assessment tools will not need to be changed as the programs move from quarter to semester in format.

Program Specializations/Sub-Plans

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.

Program Specialization/Sub-Plan Name Diagnostic Medical Sonography (Existing)

Program Specialization/Sub-Plan Goals

-

Program Specialization/Sub-Plan Name Radiography (Existing)

Program Specialization/Sub-Plan Goals

-

Program Specialization/Sub-Plan Name Radiation Therapy (Existing)

Program Specialization/Sub-Plan Goals

-

Pre-Major

Does this Program have a Pre-Major? No

Attachments

- SAMP Cover Letter & Transition Plan.pdf: Unit Letter and Transitional Policy
(Letter from Program-offering Unit. Owner: Robinson-Easter, Regina Marie)
- RST-Rad_Quarter_to_Semester_Conversion_Program_Template_DL020411.pdf: Radiography
(Program Proposal. Owner: Robinson-Easter, Regina Marie)
- RST-RTT_Quarter_to_Semester_Conversion_Template__DL020411.pdf: Therapy
(Program Proposal. Owner: Robinson-Easter, Regina Marie)
- RST-DMS_Quarter_to_Semester_Conversion_Program_Template_DL020411.pdf: Sonography
(Program Proposal. Owner: Robinson-Easter, Regina Marie)
- %COM Semester Conversion Letter 12 10 10.pdf
(Letter from the College to OAA. Owner: Lucey, Catherine Reinis)

Comments

Status: PENDING

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Radiologic Sciences & Therapy

Last Updated: Soave, Melissa A
04/08/2011

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Robinson-Easter, Regina Marie	01/26/2011 04:14 PM	Submitted for Approval
Approved	Robinson-Easter, Regina Marie	01/26/2011 04:30 PM	Unit Approval
Revision Requested	Larsen, Deborah Sue	02/04/2011 01:30 PM	SubCollege Approval
Submitted	Robinson-Easter, Regina Marie	02/07/2011 02:35 PM	Submitted for Approval
Approved	Larsen, Deborah Sue	02/24/2011 11:29 AM	Unit Approval
Approved	Larsen, Deborah Sue	02/24/2011 11:29 AM	SubCollege Approval
Approved	Lucey, Catherine Reinis	02/24/2011 11:30 AM	College Approval
Pending Approval	Soave, Melissa A	02/24/2011 11:30 AM	CAA Approval



Office of the Dean
College of Medicine

254 Meiling Hall
370 West 9th Avenue
Columbus, OH 43210
Phone: 614.292.2600 / Fax: 614.292.4254

December 10, 2010

W. Randy Smith, PhD
Vice Provost, Curriculum & Institutional Relations
Office of Academic Affairs
203 Bricker Hall
190 North Oval Mall
CAMPUS

Dear Dr. Smith:

The College of Medicine submits for approval the following programs for semester conversion:

Baccalaureate Programs (School of Allied Medical Professions):

- 1) Athletic Training
- 2) Biomedical Sciences
- 3) Health Information and Management Systems
- 4) Health Sciences
- 5) Medical Dietetics
- 6) Medical Technology
- 7) Radiologic Sciences and Therapy with subprograms in Radiation Therapy, Radiography and Sonography
- 8) Respiratory Therapy

Minors:

- 1) Integrated Determinants of Health (School of Allied Medical Professions)
- 2) Anatomy (School of Biomedical Sciences, Dept. of Biomedical Informatics)

Masters Degree Programs:

- 1) Masters of Occupational Therapy (School of Allied Medical Professions)
- 2) MS in Health and Rehabilitation Sciences (School of Allied Medical Professions)
- 3) MS in Anatomy (School of Biomedical Sciences, Department of Biomedical Informatics)
- 4) MS in Medical Sciences (College of Medicine)
- 5) MS in Pathology (School of Biomedical Sciences, Dept of Pathology)
- 6) MS in Pharmacology (School of Biomedical Sciences, Dept. of Pharmacology)

Doctoral Degree Programs:

- 1) Doctor of Physical Therapy [DPT] (School of Allied Medical Professions)
- 2) Doctor of Medicine [MD] (College of Medicine)
- 3) PhD in Health and Rehabilitation Sciences (School of Allied Medical Professions)
- 4) PhD in Integrated Biomedical Sciences [IBGP] (School of Biomedical Sciences)
- 5) PhD in Anatomy (School of Biomedical Sciences, Dept. of Biomedical Informatics)

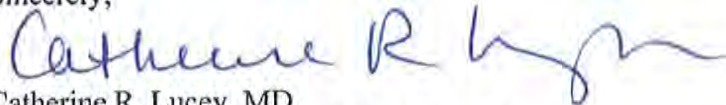
Each program proposal has been carefully developed with considerable curricular review and appropriate unit approval; letters delineating the process and approval accompany each template. At the College level, all proposals have been reviewed and approved through the College's Curriculum Review process. Accordingly, each program has developed a transition plan that will allow students that maintain good academic standing to complete their respective program without delay due to the semester conversion. These transition plans are included with each program template. The course templates for all courses have also been submitted for approval. Please contact me or Deborah S. Larsen, our semester conversion coordinator, with any questions; specific questions regarding individual templates may be directed through Dr. Larsen to the appropriate contact person. Contact information is as follows:

Catherine R. Lucey, MD
Phone: 292-2600
e-mail: Catherine.lucey@osumc.edu

Deborah S. Larsen, PhD
Phone: 292-5645
e-mail: Deborah.larsen@osumc.edu

Thank you for the review of these materials.

Sincerely,



Catherine R. Lucey, MD
Interim Dean and Vice Dean of Education
College of Medicine



January 25, 2011

Catherine R. Lucey, MD
Interim Dean and Vice Dean for Education
College of Medicine
260 Meiling Hall
CAMPUS

Dear Dr. Lucey:

On behalf of the School of Allied Medical Professions, I am pleased to submit the semester conversion plans for the following programs:

Certificates:

- 1) Health Information Management and Systems
- 2) Medical Technology – proposed name change to Medical Laboratory Sciences
- 3) Respiratory Therapy

Baccalaureate (BS in Allied Health)

- 1) Athletic Training – degree change to BS in Athletic Training
- 2) Biomedical Sciences
- 3) Health Information Management and Systems
- 4) Health Sciences
- 5) Medical Dietetics
- 6) Medical Technology – proposed name change to Medical Laboratory Sciences
- 7) Radiation Therapy
- 8) Radiography
- 9) Respiratory Therapy

Graduate

- 1) Masters of Occupational Therapy (MOT)
- 2) Masters of Science in Health and Rehabilitation Sciences (MS)
- 3) Doctor of Physical Therapy (DPT)
- 4) Doctor of Philosophy in Health and Rehabilitation Sciences (PhD)

Minor:

- 1) Integrated Determinants of Health

The conversion of each of these programs was initiated through two School-wide retreats, comprehensive curriculum mapping, conducted by our Executive Committee, and multiple working groups within and between programs. Each curriculum was reviewed and revised consistent with current healthcare practice and, for many, their accreditation criteria. For the undergraduate programs, working groups revised and amended our elective core courses; it was recommended that each program enroll students in the core courses rather than teach individual unit courses, which was done by all programs, consistent with content needs. Our entry-level graduate programs (Occupational Therapy and Physical Therapy), also developed a core evidence-based practice sequence to encourage collaborative problem-solving among students in those two programs. One course, AM 5000 “Strategies for Interprofessional Case Management”, is a new elective course that will provide interdisciplinary case management exposure to students from all of the programs in the School; due to the high number of credits within each curriculum, this course is recommended but not required. Each curriculum was approved by the faculty within the respective program and by the School’s curriculum committee on the following dates:

- 1) Respiratory Therapy – approved 7/14/2010
- 2) Medical Technology – approved 8/5/2010
- 3) Medical Dietetics – approved 8/11/2010
- 4) Radiologic Sciences & Therapy – approved 8/11/2010
- 5) Occupational Therapy – approved 8/11/2010
- 6) Biomedical Sciences – approved 8/18/2010
- 7) Physical Therapy – approved 8/19/2010
- 8) Athletic Training – approved 9/15/2010
- 9) MS in Allied Medicine – approved 9/15/2010
- 10) PhD in Health and Rehabilitation Sciences – approved 9/15/2010
- 11) Health Information Management and Systems – approved 9/22/2010

In reviewing the clinical experiences of students in each program, it was noted that there was no standard credit hour allocation for the full or part-time clinical experiences. Our Executive Committee voted unanimously to impose a consistent credit hour allocation, based on the following formula: Full-time (40hr/week, 14 weeks) = 12 credits for undergraduate and 8 for graduate programs; 20 hr/week = 6 credits for undergraduate, 4 for graduate; 10 hr/wk = 3 credits for undergraduate and 2 for graduate; and so on. Some programs have implemented 7 week clinical experiences that follow the same proportional allocation (i.e. 7 week, full time = 6 credits). This change often distorted the 2/3 conversion formula, since historically clinical experiences were under- credited; however, all programs were converted with minimal changes and have indicated such within their program templates.

In concert with the semester conversion, there are two program specific requests:

- 1) The Athletic Training program is requesting to change the degree awarded from Allied Health to Athletic Training to meet accreditation requirements;
- 2) The Medical Technology program is requesting to change the name of their program to Medical Laboratory Science, which is consistent with their licensure and accreditation recommendations.

These changes have been approved by the School's Executive Committee by unanimous vote on 12-7-10 and the Faculty Council on 1-21-11.

If you should have any questions or concerns, please feel free to contact me directly.

Sincerely,



Deborah S. Larsen, PhD
Director, School of Allied Medical Professions
Associate Dean, College of Medicine
614-292-5645
deborah.larsen@osumc.edu

**Semester Conversion
Transition Plan
School of Allied Medical Professions**

The School administration, advising staff, and each program have made considerable efforts to assure the timely progression of students enrolled during the semester transition so that students who maintain good academic standing and follow the outlined curricula will be held harmless.

Advising:

Our undergraduate programs admit students either for their sophomore year (Athletic Training, Health Sciences, Medical Dietetics, and Respiratory Therapy) or junior year (Health Information Management, Health Sciences, Medical Technology, Radiologic Sciences, Respiratory Therapy). Our pre-major advisors are providing information to our freshman and sophomores and providing curriculum plan drafts for respective programs. Proposed curriculum plans for each group of students are posted on the School's web site. For those sophomores that have been admitted to their respective programs, Division/Program Directors will meet with each cohort to explain proposed changes. All programs except Health Sciences are lock step, so individual advising should not be necessary once students are admitted to a program. Health Sciences students have a dedicated advisor that serves both pre-majors and matriculated students. We will hold group and individual advising sessions, as needed, for students in that program.

Our Doctor of Physical Therapy (DPT) is 3 1/4 years in duration, so students admitted for Summer 2010 will complete the program under semesters; further, students admitted in 2009 will need to complete their program 1 quarter early due to the implementation of semesters for summer quarter (typically the last quarter for that program). Orientation for the first year students and a class meeting for the 2nd year students have been held to outline the semester curriculum and impact on both groups of students. Our Director of Admissions is advising all potential applicants, both current OSU students and transfer students to both the DPT and MOT.

Graduate students within our MS and PhD programs will be provided individual advising to assure appropriate academic progress. Additionally, informational meetings have been held for advisors to outline changes in the curriculum, occurring with the transition. Some flexibility within both programs will be implemented with regard to program requirements for students in process during the transition. Students admitted for Autumns 2010 and 2011 will begin taking the quarter equivalent of the semester curriculum, for which courses have been submitted for approval.

All programs will continue to hold cohort meetings and provide appropriate advising to assure a smooth transition and timely program completion for all students that maintain appropriate progress within their respective programs.

Program Progression Issues:

1. Academic: Currently students must earn a C- (undergraduate) or C (graduate) to pass a class. For students that earn a grade lower than this, they must stop the program and rejoin the curriculum the next time the course is offered (typically the following year).

They are only required to repeat the course with the designated C- or C and then can continue on in the curriculum.

2. Leaves of Absence: currently students may request a LOA at anytime during the academic year and then rejoin the program at the same point in the curriculum one year later to complete the program (i.e. stop after Winter quarter, rejoin the following Spring quarter).
 - For students that fail to achieve the designated target grade in a given class, it won't be possible for them to just take that class when they resume the program because they would be missing at least $\frac{1}{4}$ of the content in the other semester courses. For LOA's, it will also be difficult to resume the curriculum at the "same" time point that they dropped out. Each case will, therefore, be handled individually. These situations may result in a longer time to graduation or the need to complete additional credit hours/courses. Every effort will be made by each program to avoid unnecessary requirements for students in these situations. Students requesting a LOA will also be counseled on the possible consequences of that decision. Fortunately, these issues occur rarely in the SAMP programs, so few students are expected to be impacted by either issue.
3. Program Specific Issues: Programs have highlighted specific transition issues within their program templates, including the use of bridge courses, double teaching of content, and progression differences from that stated in this document.

Quarter to Semester Conversion Template:

Diagnostic Medical Sonography Program Proposal

Course List

Department	Title	Credit hours
Math 1150	Pre-calculus	5
English 1110	First Year English Composition	3
Psychology 100	General Psychology	3
Biology 1101	Introductory Biology	4
GEC	History, Arts, Literature	9
Stats 1145	Introduction to the Practice of Statistics	3
English 2	2 nd writing	3
EEOB 232	Introductory Physiology	3
AM 2500	Medical Terminology for the Health Professions	3
Physics 1200	General Physics- Mechanics, Kinematics, Fluids, Waves	5
Physics 1201	General Physics- Electricity, Magnetism, Light Optics, Intro to atomic & nuclear phenomena	5
Anatomy 2199	Basic Human Anatomy	4
Sociology 101	Introductory Sociology	3
AM 5370	Health Care Policy and Delivery Systems	3
AM 5500	Principles of Disease	3
#####	Directed Electives	3
Rad Sci 3200	Evidence Based Practice in the Radiologic Sciences	2
Rad Sci 3310	Introduction to the Radiologic Sciences	5
Rad Sci 3430	General Concentration in Sonography 1	3
Rad Sci 3486	Diagnostic Medical Sonography Physics 1	3
AM 5900	Research Design in Biomed Sci	3
Rad Sci 3431	General Concentration in Sonography 2	3
Rad Sci 3487	Diagnostic Medical Sonography Physics 2	3
Rad Sci 3672	Sectional Anatomy	3
Rad Sci 3489	Diagnostic Medical Sonography practicum 1	7
Rad Sci 3589	Diagnostic Medical Sonography practicum 2	8
Rad Sci 4530	Quality Management in the Radiation Sciences	3
Rad Sci 4689	Vascular Sonography practicum 1	7
Rad Sci 4488	Diagnostic Medical Sonography physics 3	3
Rad Sci 4432	General Concentration in Sonography 3	3
Rad Sci 4520	Vascular Sonography 1	3
Rad Sci 4789	Vascular Sonography practicum 2	7
Rad Sci 5389	Administration & Quality Management in Rad Sci 1	1
Rad Sci 4630	Transitions to Clinical Practice 1	2
Rad Sci 4889	Vascular Sonography practicum 3 (optional)	(7)
Rad Sci 5389	Administration & Quality Management in Rad Sci 2	3
Rad Sci 4521	Vascular Sonography 2	3
Total		137

PROGRAM RATIONALE

The BS RST curriculum conversion to semesters indicates minimal changes to curricular content. Where appropriate, core courses were combined so that students received similar content, which will allow for a broader education. The change to incorporate a broad mastery of the radiologic sciences, is reflective of changes in the healthcare environment. Although course content was merged to reduce redundancy with didactic courses, the clinical competencies required by the American Registry of Radiologic Technology and the American Registry of Diagnostic Medical Sonography have increased. Our clinical externships have remained integrated with the didactic courses to insure that the competencies are mastered. In every way possible, we have tried to hold our clinical credit hours to the minimum. We have also tried to make sure that clinical credit hours are equated with other programs in SAMP.

The most recent review of the RST programs occurred in 2009.

Curriculum map

Department	Title or GEC category	Goal #1	Goal #2	Goal #3
Math 1150	Math (Math or Logic)		beginning	
English 1110	Writing Level 1	beginning		
Psychology 100	Social Science 1	beginning		
Biology 1110	Biologic Science		beginning	
Stats 1145	Data analysis		beginning	intermediate
English 2	Writing 2	intermediate		
EEOB 232	Open options		beginning	
AM 2500	(Prerequisite)	beginning		
Physics 1200	Physical Science		beginning	
Physics 1201	Physical Science		beginning	
Anatomy 2199	Open option		beginning	
Sociology 101	Social Science 2	beginning		
AM 5370	Prerequisite	beginning		beginning
AM 5500	Intro to Pathology (prerequisite)	beginning	beginning	beginning
#####	Directed Elective	beginning	beginning	beginning
Rad Sci 3200	Evidence based practice in the Radiologic Sciences (Prerequisite)	beginning	beginning	beginning
Rad Sci 3310	Introduction to the Radiologic Sciences	intermediate	intermediate	intermediate
Rad Sci 3430	General Concentration in Sonography 1	beginning	beginning	beginning
Rad Sci 3486	Diagnostic Medical Sonography Physics 1		intermediate	intermediate
AM 5900	Research Design	intermediate	intermediate	intermediate
Rad Sci 3431	General Concentration in Sonography 2	beginning	beginning	intermediate
Rad Sci 3487	Diagnostic Medical Sonography Physics 2		intermediate	intermediate
Rad Sci 3672	Sectional Anatomy	intermediate	intermediate	advanced
Rad Sci 3489	Diagnostic Medical Sonography practicum 1	beginning	beginning	beginning
Rad Sci 3589	Diagnostic Medical Sonography practicum 2	beginning	intermediate	intermediate
Rad Sci 4530	Quality Management in the Radiation Sciences	intermediate	intermediate	intermediate
Rad Sci 4689	Diagnostic Medical Sonography practicum 3	intermediate	advanced	advanced
Rad Sci 4488	Diagnostic Medical Sonography physics 3	intermediate	intermediate	intermediate

Rad Sci 4432	General Concentration in Sonography 3	intermediate	intermediate	intermediate
Rad Sci 4520	Vascular Sonography 1	intermediate	beginning	beginning
Rad Sci 4789	Vascular Sonography practicum 1	intermediate	beginning	intermediate
Rad Sci 5389	Administration & Quality Management in Rad Sci 1	intermediate	intermediate	advanced
Rad Sci 4630	Transitions to Clinical Practice 1	intermediate	intermediate	advanced
AM 5630	Management Principles for Health Professionals	intermediate	intermediate	intermediate
Rad Sci 4889	Vascular Sonography practicum 2	intermediate	intermediate	advanced
Rad Sci 5389	Administration & Quality Management in Rad Sci 2	advanced	advanced	advanced
Rad Sci 4521	Vascular Sonography 2	intermediate	intermediate	advanced

TRANSITION POLICY: The School's transition policy applies to this program.

**THE OHIO STATE UNIVERSITY
SCHOOL OF ALLIED MEDICAL PROFESSIONS**

**RADIOLOGIC SCIENCES AND THERAPY
DIAGNOSTIC MEDICAL SONOGRAPHY**

The School of Allied Medical Professions (SAMP) is a school in The Ohio State University College of Medicine. SAMP is nationally recognized as a leader in practice-based health care education. For more than five decades, SAMP has prepared students to achieve personal and professional excellence, as they pursue an exciting career in healthcare.

PROGRAM OVERVIEW

A diagnostic medical sonographer is a highly-skilled professional who uses specialized equipment to create images of structures inside the human body that are used by physicians to make a medical diagnosis. The process involves placing a small device called a transducer against the patient's skin near the body area to be imaged. The transducer works like a loudspeaker and microphone because it can transmit sound and receive sound. The transducer sends a stream of high frequency sound waves into the body that bounce off the structures inside. The transducer detects sound waves as they bounce off the internal structures. Different structures in the body reflect these sound waves differently. These sounds are analyzed by a computer to make an image of the structure(s) on a television screen or that can be recorded on videotape.

ADMISSION & APPLICATION PROCEDURES

Applicants must meet the following minimum requirements and submit requested materials to be considered for admission. The Application deadline for Autumn 2010 professional admission is **January 31, 2010**.

1. An electronic application is available online at <http://www.professional.osu.edu/alliedmed.asp> which should be completed and submitted with all required supplemental documents.
2. A minimum 2.5 cumulative GPA is required in all coursework taken at all accredited institutions. All post-secondary coursework is considered. Although a 2.5 GPA is the minimum, the average GPA is typically higher than a 3.0.
3. Completion of prerequisite courses by the end of Spring quarter prior to enrollment in the professional program.
4. 50 hours of documented direct patient contact experience in a Department of Radiology in at least two modalities. Documentation forms can be found online at www.amp.osu.edu.
5. A personal interview may be requested by the division. Knowledge of the profession and personal career goals will be evaluated at this time.

DEGREE REQUIREMENTS

A minimum total of 182 quarter credit hours, including all general graduation requirements, General Education Curriculum, program prerequisites, and professional curriculum.

General Education Curriculum (79-80 hours)

Students must complete the General Education Curriculum (GEC) before graduating from the University.

Writing and Related Skills (10 hours)	Historical Study (10 hours)
Mathematical and Logical Analysis (9-10 hours)	Art and Humanities (10 hours)
Natural Sciences (20 hours)	Breadth Courses (10 hours)
Social Sciences (10 hours)	Diversity Courses (0-15 hours)

Program Prerequisites (64 hours)

Students who wish to apply to the Radiologic Sciences and Therapy, Sonography program must have completed at least 90 quarter credit hours including all of the following program prerequisite courses or their equivalent with a C- or higher by the end of Spring Quarter prior to enrollment in the professional program.

Math 148 or higher	English 110	GEC Second Writing
EEOB 232	Chemistry 101 or 121	Allied Medicine 500
Statistics 135 or 145	Biology 101 or 113	CPR Certification
HIMS 648, or CS&E 100 or higher	Physics 111 and 112	Anatomy 199.04
Radiologic Sciences & Therapy 200	Communication 101, 105, 200, 320, or 321	

Professional Curriculum (98 hours)

The professional curriculum includes courses available to students who have been admitted to the professional program. It is completed in sequence and there is no provision for part-time or evening-only enrollment.

SUGGESTED SCHEDULING PLAN

The following plan demonstrates how students may complete the Sonography program in 13 quarters. The quarter and year in which some courses are placed can be adjusted to meet the individual needs of students. It is assumed that students following this plan will begin Professional coursework (Year 3) in Autumn 2010.

<i>Year 1</i>	<i>Year 2</i>	<i>Year 3</i>	<i>Year 4</i>
<p>Autumn Allied Medicine 100 (1) Math 148 or higher (4-5) GEC (5) GEC (5)</p> <p style="text-align: right;"><i>Total (15-16)</i></p>	<p>Autumn Physics 111 (5) Statistics 135 or 145 (5) CS&E 100 (3) GEC (5)</p> <p style="text-align: right;"><i>Total (18)</i></p>	<p>Autumn Rad Sci 310 (3) Rad Sci 420 (3) Rad Sci 425 (3) Rad Sci 442.01 (3) Allied Medicine 601 (4)</p> <p style="text-align: right;"><i>Total (16)</i></p>	<p>Autumn Rad Sci 520 (3) Rad Sci 530 (4) Rad Sci 542.03 (3) Allied Medicine 505 (3)</p> <p style="text-align: right;"><i>Total (13)</i></p>
<p>Winter Chemistry 101 or 121 (5) Allied Medicine 500 (3) GEC (5)</p> <p style="text-align: right;"><i>Total (13)</i></p>	<p>Winter Physics 112 (5) EEOB 232 (5) GEC (5)</p> <p style="text-align: right;"><i>Total (15)</i></p>	<p>Winter Rad Sci 430 (4) Rad Sci 486 (3) Rad Sci 442.02 (3) Allied Medicine 680.01 (3)</p> <p style="text-align: right;"><i>Total (13)</i></p>	<p>Winter Rad Sci 521 (3) Rad Sci 542.04 (4) Rad Sci 550.81 (2) Rad Sci 670 (3) Allied Medicine 506 (3)</p> <p style="text-align: right;"><i>Total (15)</i></p>
<p>Spring Biology 101 or 113 (5) English 110 (5) Rad Science 200 (2) GEC (5)</p> <p style="text-align: right;"><i>Total (17)</i></p>	<p>Spring Anatomy 199.04 (5) Communication (5) GEC (5)</p> <p style="text-align: right;"><i>Total (15)</i></p>	<p>Spring Rad Sci 431 (4) Rad Sci 487 (3) Rad Sci 442.03 (3) Rad Sci 672 (3) Allied Medicine 425 (3)</p> <p style="text-align: right;"><i>Total (16)</i></p>	<p>Spring Rad Sci 522 (3) Rad Sci 542.05 (4) Rad Sci 550.81 (1) Rad Sci 630.04 (1) Allied Medicine 630 (3)</p> <p style="text-align: right;"><i>Total (12)</i></p>
		<p>Summer Rad Sci 432 (3) Rad Sci 630.03 (1) Rad Sci 542.01 (5) Rad Sci 488 (3) Rad Sci 542.02 (5)</p> <p style="text-align: right;"><i>Total (17)</i></p>	

ADDITIONAL INFORMATION

It is strongly recommended that prospective students attend an information session or schedule an appointment with an academic counselor in the Office of Student Affairs. Detailed information can be accessed online at www.amp.osu.edu. Baccalaureate degree holders, transfer, international, and student athletes are strongly encouraged to meet with a counselor in the Office of Student Affairs to discuss special circumstances which may apply.

Kevin D. Evans, PhD.
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RADIOLOGIC SCIENCES AND THERAPY
DIAGNOSTIC MEDICAL SONOGRAPHY (SEMESTERS)

The School of Allied Medical Professions (SAMP) is a school in The Ohio State University College of Medicine. SAMP is nationally recognized as a leader in practice-based health care education. For more than five decades, SAMP has prepared students to achieve personal and professional excellence, as they pursue an exciting career in healthcare.

PROGRAM OVERVIEW

A diagnostic medical sonographer is a highly-skilled professional who uses specialized equipment to create images of structures inside the human body that are used by physicians to make a medical diagnosis. A small device called a transducer is placed against the patient's skin near the body area to be imaged. The transducer works like a loudspeaker and microphone because it can transmit and receive sound. The transducer sends a stream of high frequency sound waves into the body that bounce off the structures inside and detects sound waves as they bounce off the internal structures. Different structures in the body reflect these sound waves differently and they are analyzed by a computer to make an image of the structure(s).

ADMISSION & APPLICATION PROCEDURES

Applicants must meet the following minimum requirements and submit requested materials to be considered for admission. The Application deadline for Autumn 2012 professional admission is January 31, 2012.

1. An electronic application is available online at <http://www.professional.osu.edu/alliedmed.asp> which should be completed and submitted with all required supplemental documents.
2. A minimum 2.5 cumulative GPA is required in all coursework taken at all accredited institutions. All post-secondary coursework is considered. Although a 2.5 GPA is the minimum, the average GPA is typically higher than a 3.0.
3. Completion of prerequisite courses by the end of Spring semester prior to enrollment in the professional program.
4. 50 hours of documented direct patient contact experience in a Department of Radiology (8 hours in each modality) with the balance of 50 hours in the two modalities of choice. Documentation forms can be found online at www.amp.osu.edu.
5. A personal interview may be requested by the division. Knowledge of the profession and personal career goals will be evaluated at this time.

DEGREE REQUIREMENTS

A minimum total of 120 semester credit hours, including all general graduation requirements, general education curriculum, program prerequisites, and professional curriculum.

General Education Courses (51 hours)

Students must complete General Education (GE) courses before graduating from the University.

Writing and Related Skills (6 hours)	Biological Science (4 hours)	Art (3 hours)
Mathematical and Logical Analysis (3 hours)	Physical Science (10 hours)	Cultures & Ideas (0-3 hours)
Data Analysis (3 hours)	Literature (3 hours)	Open Options (7 hours)
Social Sciences (6hours)	Historical Study (3-6 hours)	

Program Prerequisites (53 hours)

Students who wish to apply to the Radiologic Sciences and Therapy, Radiography program must have completed at least 51 semester credit hours including all of the following program prerequisite courses or their equivalent with a C- or better by the end of Spring Semester prior to enrollment in the professional program.

Math 1150 (GEC)	Psychology (GEC)
Biology 1101 (GEC)	Sociology (GEC)
Physics 1200 (GEC) & 1201 (GEC)	Second Writing (GEC)
Anatomy 2199 (GEC)	AM 5500 – Introduction to Pathophysiology
Physiology (GEC)	AM 5370- Health Care Policy and Delivery Systems
Statistics 1450 (GEC)	AM 5003 – Classical Background of Scientific Terminology
English 1110 (GEC)	RadSci 200 – Evidence Based Practice in Rad Sciences

Professional Curriculum (80 hours)

The professional curriculum includes courses available to students who have been admitted to the professional program. It is completed in sequence and there is no provision for part-time or evening-only enrollment.

SUGGESTED SCHEDULING PLAN

The following plan demonstrates how students may complete the Radiography program in 9 semesters. The semester and year in which some pre-professional courses are placed can be adjusted to meet the individual needs of students. It is assumed that students following this plan will begin Professional coursework in Autumn Semester Year 3.

Year 1	Year 2	Year 3	Year 4
Autumn Math 1150 (GEC) (5) English 1 (GEC) (3) Psychology (GEC) (3) Biology1101 (GEC) (4) Total (15 Sem Cr)	Autumn Physics 1200 (GEC) (5) Anatomy 2199 (4) GEC (3) Sociology (GEC) (3) AM5370-Health Care Policy and Delivery Systems (3) Total (18 Sem Cr)	Autumn RadSci 3430-Gen Concentration in Sono I (3) RadSci 3486-DMS Physics 1 (3) AM5900 – Design in Biomed Sci (3) Rad Sci 3200 (transfer students) (2) Rad Sci 3310 – Intro to Rad Sci (5) Total (14-16 Sem Cr)	Autumn RadSci 4520-Vascular Sonography 1 (3) RadSci 5389 – Admin & QM in the Rad Sci (3) RadSci 4689 – Vascular Sono Practicum I (7) Total (13 Sem Cr)
Spring Stats 1145 (GEC) (3) English 2 (GEC) (3) GEC (3) EEOB 232 equiv (3) AM 5003 (3) Total (15 Sem Cr)	Spring Physics 1201 (GEC)(5) AM 5500-Intro to Path (4) Directed Elective (2) GEC (3) Rad Sci 3200 (2) Total (16 Sem Cr)	Spring RadSci 3431-Gen Concentration in Sono 2 (3) RadSci 3487-DMS Physics 2 (3) RadSci 3672- Rad Sectional Anatomy (3) RadSci 3489 – DMS Practicum I (7) Total (16 Sem Cr)	Spring RadSci 4521-Vascular Sonography 2 (3) RadSci 5389 – Admin & QM in the Rad Sci (1) RadSci 4789 – Vascular Sono Practicum II (7) RadSci 4630- Transitions to Clinical Practice 1 (2) Total (13 Sem Cr)
May Term	May Term	May Term AND Summer RadSci 4530-Quality Mgmt in Rad Sci (3) RadSci 4488-DMS Physics 3(3) RadSci 4432- Gen Concentration in Sono 3 (3) RadSci 3589- DMS Practicum II (8) Total (17 Sem Cr)	May Term Optional: RadSci 4889 – Vascular Sono Practicum III (7) Total (7 Sem Cr)
Summer	Summer		Summer

ADDITIONAL INFORMATION

It is strongly recommended that prospective students attend an information session or schedule an appointment with an academic counselor in the Office of Student Affairs. Detailed information can be accessed online at www.amp.osu.edu. Baccalaureate degree holders, transfer, international, and student athletes are strongly encouraged to meet with a counselor in the Office of Student Affairs to discuss special circumstances which may apply.

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Quarter to Semester Conversion Template:

Radiography Program Proposal

List of semester courses (department, title, credit hours) that constitute the requirements and other components of the program.

Department	Title	Credit hours
Math 1150	Pre-calculus	5
English 1110	First Year English Composition	3
Psychology 100	General Psychology	3
Biology 1101	Introductory Biology	4
GEC	History, Arts, Literature	9
Stats 1145	Introduction to the Practice of Statistics	3
English 2	2 nd writing	3
EEOB 232	Introductory Physiology	3
AM 2500	Classical Background of Scientific Terminology	3
Physics 1200	General Physics- Mechanics, Kinematics, Fluids, Waves	5
Physics 1201	General Physics- Electricity, Magnetism, Light Optics, Intro to atomic & nuclear phenomena	5
Anatomy 2199	Basic Human Anatomy	4
Sociology 101	Introductory Sociology	3
AM 5370	US Health Care Policy and Delivery Systems	3
AM 5500	Introduction to Pathophysiology	3
#####	Directed Electives	3
Rad Sci 3200	Evidence Based Practice in the Radiologic Sciences	2
Rad Sci 3310	Introduction to the Radiologic Sciences	5
Rad Sci 3411	Radiographic Procedures I	3
Rad Sci 3425	Radiographic Imaging I	3
AM 5900	Research Design in Biomed Sci	3
Rad Sci 3471	Radiologic Physics	3
Rad Sci 3412	Radiographic Procedures 2	3
Rad Sci 3672	Radiologic Sectional Anatomy	3
AM 5510	Pharmacological Aspects of Practice in Health & Rehab Sciences	3
Rad Sci 3089	Radiography practicum 1	5
Rad Sci 4530	Quality Management in the Radiation Sciences	3
Rad Sci 4089	Radiography practicum 2	7
Rad Sci 4426	Radiologic Imaging 2	3
Rad Sci 4670	Radiobiology and Radiation Protection	2
Rad Sci 4615	Radiographic Clinical Correlations	3
Rad Sci 4189	Radiography practicum 3	5
Rad Sci 4289	Radiography practicum 4	5
Rad Sci 4630	Transitions to Clinical Practice 1	2
Rad Sci 5089	Advanced Radiography Practicum: Choose 1 Computed Tomography Practicum	6
5189	Magnetic Resonance Practicum	6
5289	Mammography Practicum	6
5389	Administration & Quality Management in the Radiation Sciences	2-8
5489	Radiologic Sciences Education	6
5589	Vascular Interventional Practicum	
Total		132

PROGRAM RATIONALE

The BS RST curriculum conversion to semesters indicates minimal changes to curricular content. Where appropriate, core courses were combined so that students received similar content, which will allow for a broader education. The change to incorporate a broad mastery of the radiologic sciences, is reflective of changes in the healthcare environment. Although course content was merged to reduce redundancy with didactic courses, the clinical competencies required by the American Registry of Radiologic Technology and the American Registry of Diagnostic Medical Sonography have increased. Our clinical externships have remained integrated with the didactic courses to insure that the competencies are mastered. In every way possible, we have tried to hold our clinical credit hours to the minimum. We have also tried to make sure that clinical credit hours are equated with other programs in SAMP.

The most recent review of the RST programs occurred in 2009.

Curriculum map

Department	Title or GEC category	Goal #1	Goal #2	Goal #3
Math 1150	Math (Math or Logic)		beginning	
English 1110	Writing Level 1	beginning		
Psychology 100	Social Science 1	beginning		
Biology 1110	Biologic Science		beginning	
Stats 1145	Data analysis		beginning	intermediate
English 2	Writing 2	intermediate		
EEOB 232	Open options		beginning	
AM 5003	(Prerequisite)	beginning		
Physics 1200	Physical Science		beginning	
Physics 1201	Physical Science		beginning	
Anatomy 2199	Open option		beginning	
Sociology 101	Social Science 2	beginning		
AM 5370	Prerequisite	beginning		beginning
AM 5500	Intro to Pathology (prerequisite)	beginning	beginning	beginning
#####	Directed Elective	beginning	beginning	beginning
Rad Sci 3200	Evidence based practice in the Radiologic Sciences (Prerequisite)	beginning	beginning	beginning
Rad Sci 3310	Introduction to the Radiologic Sciences	intermediate	intermediate	intermediate
Rad Sci 3411	Radiographic Procedures I	beginning	beginning	beginning
Rad Sci 3425	Radiographic Imaging I		intermediate	intermediate
AM 680.01	Research Methods	intermediate	intermediate	intermediate
Rad Sci 3471	Radiologic Physics		intermediate	intermediate
Rad Sci 3412	Radiographic Procedures 2	intermediate	intermediate	intermediate
Rad Sci 3672	Sectional Anatomy	intermediate	intermediate	advanced
AM 5510	Pharmacology	beginning	intermediate	intermediate
Rad Sci 3089	Radiography practicum 1	beginning	beginning	beginning
Rad Sci 4530	Quality Management in the Radiation Sciences	intermediate	intermediate	intermediate
Rad Sci 4089	Radiography practicum 2	intermediate	intermediate	intermediate

Rad Sci 4426	Radiologic Imaging 2	intermediate	advanced	advanced
Rad Sci 4670	Radiobiology and Radiation Protection	intermediate	advanced	advanced
Rad Sci 4615	Radiographic Clinical Correlations	intermediate	advanced	advanced
Rad Sci 4189	Radiography practicum 3	intermediate	intermediate	advanced
Rad Sci 5089-5589	Adv. Radiography Practicum:	Intermediate/ advanced	Intermediate / advanced	Intermediate /advanced
Rad Sci 4630	Transitions to Clinical Practice 1	intermediate	intermediate	advanced
Rad Sci 4289	Radiography practicum 4	advanced	advanced	advanced

TRANSITION POLICY:

The School's transition policy applies to this program.

**THE OHIO STATE UNIVERSITY
SCHOOL OF ALLIED MEDICAL PROFESSIONS**

**RADIOLOGIC SCIENCES AND THERAPY
RADIOGRAPHY**

The School of Allied Medical Professions (SAMP) is a school in The Ohio State University College of Medicine. SAMP is nationally recognized as a leader in practice-based health care education. For more than five decades, SAMP has prepared students to achieve personal and professional excellence, as they pursue an exciting career in healthcare.

PROGRAM OVERVIEW

Radiographers are experts in the performance of examinations requiring the use of x-rays and skilled in the use of highly complex computerized equipment. Their responsibility is to produce a quality X-ray image (radiographs) of the internal parts of the body for diagnostic interpretation by a physician (radiologist).

ADMISSION & APPLICATION PROCEDURES

Applicants must meet the following minimum requirements and submit requested materials to be considered for admission. The Application deadline for Autumn 2010 professional admission is **January 31, 2010**.

1. An electronic application is available online at <http://www.professional.osu.edu/alliedmed.asp> which should be completed and submitted with all required supplemental documents.
2. A minimum 2.5 cumulative GPA is required in all coursework taken at all accredited institutions. All post-secondary coursework is considered. Although a 2.5 GPA is the minimum, the average GPA is typically higher than a 3.0.
3. Completion of prerequisite courses by the end of Spring quarter prior to enrollment in the professional program.
4. 50 hours of documented direct patient contact experience in a Department of Radiology in at least two modalities. Documentation forms can be found online at www.amp.osu.edu.
5. A personal interview may be requested by the division. Knowledge of the profession and personal career goals will be evaluated at this time.

DEGREE REQUIREMENTS

A minimum total of 182 quarter credit hours, including all general graduation requirements, General Education Curriculum, program prerequisites, and professional curriculum.

General Education Curriculum (79-80 hours)

Students must complete the General Education Curriculum (GEC) before graduating from the University.

Writing and Related Skills (10 hours)	Historical Study (10 hours)
Mathematical and Logical Analysis (9-10 hours)	Art and Humanities (10 hours)
Natural Sciences (20 hours)	Breadth Courses (10 hours)
Social Sciences (10 hours)	Diversity Courses (0-15 hours)

Program Prerequisites (64 hours)

Students who wish to apply to the Radiologic Sciences and Therapy, Radiography program must have completed at least 90 quarter credit hours including all of the following program prerequisite courses or their equivalent with a C- or better by the end of Spring Quarter prior to enrollment in the professional program.

Math 148 or higher	English 110
Chemistry 101 or 121	GEC Second Writing
Biology 101 or 113	Allied Medicine 500
Physics 111 and 112	CPR certification
Anatomy 199.04	HIMS 648, CS&E 100 or higher
EEOB 232	Radiologic Sciences & Therapy 200
Statistics 135 or 145	Communication 101 or 105 or 200 or 320 or 321

Professional Curriculum (97 hours)

The professional curriculum includes courses available to students who have been admitted to the professional program. It is completed in sequence and there is no provision for part-time or evening-only enrollment.

SUGGESTED SCHEDULING PLAN

The following plan demonstrates how students may complete the Radiography program in 13 quarters. The quarter and year in which some courses are placed can be adjusted to meet the individual needs of students. It is assumed that students following this plan will begin Professional coursework (Year 3) in Autumn 2010.

<i>Year 1</i>	<i>Year 2</i>	<i>Year 3</i>	<i>Year 4</i>
Autumn Allied Medicine 100 (1) Math 148 or higher (4-5) GEC (5) GEC (5) Total (15-16)	Autumn Physics 111 (5) Statistics 135 or 145 (5) CS&E 100 (3) GEC (5) Total (18)	Autumn Rad Sci 310 (3) Rad Sci 411 (4) Rad Sci 425 (3) Rad Sci 440.01 (4) Total (14)	Autumn Rad Sci 530 (4) Rad Sci 540.03 (4) Rad Sci 550.## (2) Allied Medicine 505 (3) Total (13)
Winter Chemistry 101 or 121 (5) Allied Medicine 500 (3) GEC (5) Total (13)	Winter Physics 112 (5) EEOB 232 (5) GEC (5) Total (15)	Winter Rad Sci 412 (4) Rad Sci 471 (3) Rad Sci 440.02 (4) Allied Medicine 680.01 (3) Total (14)	Winter Rad Sci 670 (3) Rad Sci 540.04 (4) Rad Sci 550.## (2) Rad Sci 615 (3) Directed Elective (3) Total (15)
Spring Biology 101 or 113 (5) English 110 (5) Rad Sci 200 (2) GEC (5) Total (17)	Spring Anatomy 199.04 (5) Communication (5) GEC (5) Total (15)	Spring Rad Sci 426 (4) Rad Sci 440.03 (4) Rad Sci 672 (3) Directed Elective (3) Total (14)	Spring Rad Sci 630.01 (1) Rad Sci 540.05 (4) Rad Sci 550.## (2) Directed Elective (3) Total (10)
		Summer Rad Sci 540.01 (5) Rad Sci 540.02 (5) Rad Sci 550.42 (1) Allied Medicine 630 (3) Total (14)	

ADDITIONAL INFORMATION

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RADIOLOGIC SCIENCES AND THERAPY
RADIOGRAPHY (SEMESTERS)

The School of Allied Medical Professions (SAMP) is a school in The Ohio State University College of Medicine. SAMP is nationally recognized as a leader in practice-based health care education. For more than five decades, SAMP has prepared students to achieve personal and professional excellence, as they pursue an exciting career in healthcare.

PROGRAM OVERVIEW

Radiographers are experts in the performance of examinations requiring the use of x-rays and skilled in the use of highly complex computerized equipment. Their responsibility is to produce a quality radiographic images of the internal parts of the body for diagnostic interpretation by a physician (radiologist).

ADMISSION & APPLICATION PROCEDURES

Applicants must meet the following minimum requirements and submit requested materials to be considered for admission. The Application deadline for Autumn 2012 professional admission is January 31, 2012.

1. An electronic application is available online at <http://www.professional.osu.edu/alliedmed.asp> which should be completed and submitted with all required supplemental documents.
2. A minimum 2.5 cumulative GPA is required in all coursework taken at all accredited institutions. All post-secondary coursework is considered. Although a 2.5 GPA is the minimum, the average GPA is typically higher than a 3.0.
3. Completion of prerequisite courses by the end of Spring semester prior to enrollment in the professional program.
4. 50 hours of documented direct patient contact experience in a Department of Radiology (8 hours in each modality) with the balance of 50 hours in the two modalities of choice. Documentation forms can be found online at www.amp.osu.edu.
5. A personal interview may be requested by the division. Knowledge of the profession and personal career goals will be evaluated at this time.

DEGREE REQUIREMENTS

A minimum total of 120 semester credit hours, including all general graduation requirements, general education curriculum, program prerequisites, and professional curriculum.

General Education Courses (51 hours)

Students must complete General Education (GE) courses before graduating from the University.

Writing and Related Skills (6 hours)	Biological Science (4 hours)	Art (3 hours)
Mathematical and Logical Analysis (3 hours)	Physical Science (10 hours)	Cultures & Ideas (0-3 hours)
Data Analysis (3 hours)	Literature (3 hours)	Open Options (7 hours)
Social Sciences (6hours)	Historical Study (3-6 hours)	

Program Prerequisites (53 hours)

Students who wish to apply to the Radiologic Sciences and Therapy, Radiography program must have completed at least 66 semester credit hours including all of the following program prerequisite courses or their equivalent with a C- or better by the end of Spring Semester prior to enrollment in the professional program.

Math 1150 (GEC)	Psychology (GEC)
Biology 1101 (GEC)	Sociology (GEC)
Physics 1200 (GEC) & 1201 (GEC)	Second Writing (GEC)
Anatomy 2199 (GEC)	AM 5500 – Introduction to Pathophysiology
Physiology (GEC)	AM 5370- Health Care Policy and Delivery Systems
Statistics 1450 (GEC)	AM 5003 – Classical Background of Scientific Terminology
English 1110 (GEC)	RadSci 200 – Evidence Based Practice in Rad Sciences

Professional Curriculum (68 hours)

The professional curriculum includes courses available to students who have been admitted to the professional program. It is completed in sequence and there is no provision for part-time or evening-only enrollment.

SUGGESTED SCHEDULING PLAN

The following plan demonstrates how students may complete the Radiography program in 9 semesters . The semester and year in which some pre-professional courses are placed can be adjusted to meet the individual needs of students. It is assumed that students following this plan will begin Professional coursework in Autumn Semester Year 2.

Year 1	Year 2	Year 3	Year 4
Autumn Math 1150 (GEC) (5) English 1 (GEC) (3) Psychology (GEC) (3) Biology1101 (GEC) (4) Total (15 Sem Cr)	Autumn Physics 1200 (GEC) (5) Anat 2199 (4) GEC (3) Sociology (GEC) (3) AM 5370- Health Care Policy and Delivery Systems (3) Total (18 Sem Cr)	Autumn Rad Sci 3411-Radiography Procedures (3) Rad Sci 3425-Radiography Imaging I (3) AM 5900-Research Design in Biomed Sci (3) Rad Sci 3200 (transfer students) (2) Rad Sci 3310 – Intro to Rad Sci (5) Total (14-16 Sem Cr)	Autumn Rad Sci 4426-Radiographic Imaging II (3) Rad Sci 4670-Radiation Bio/Protection (2) Rad Sci 4615-Rad Clinical Correlations (3) Rad Sci 4189-Rad Practicum III (5) Adv. Radiography Practicum (3): Choose 1: <ul style="list-style-type: none"> o RadSci 5089-CT Practicum o RadSci 5189-MR Practicum o RadSci 5289 – Mammography o RadSci 5389 – Admin & QM in the Rad Sci o RadSci 5489 – Rad Sci Education Practicum o RadSci 5589-Vascular Interv. Practicum Total (16 Sem Cr)
Spring Stats 1145 (GEC) (3) English 2 (GEC) (3) GEC (3) EEOB 232 equiv (3) AM 5003 (3) Total (15 Sem Cr)	Spring Physics 1201 (GEC)(5) AM 5500-Intro to Path (4) Directed Elective (2) GEC (3) Rad Sci 3200 (2) Total (16 Sem Cr)	Spring Rad Sci 3471-Radiologic Physics (3) Rad Sci 3412-Radiographic Procedures 2 (3) Rad Sci 3672-Rad Sectional Anatomy (3) AT 5510 Pharmacology (2) Rad Sci 3089-Radiography Practicum I (5) Total (16 Sem Cr)	Spring RadSci 4630-Transitions to Clinical Practice 1 (2) RadSci 5389 – Admin & QM in the Rad Sci (2) Rad Sci 4289-Radiography Practicum IV (5) Advanced Radiography Practicum (3) Choose 1: <ul style="list-style-type: none"> o RadSci 5089-CT Practicum o RadSci 5189-MR Practicum o RadSci 5289 – Mammography o RadSci 5389 – Admin & QM in the Rad Sci o RadSci 5489 – Rad Sci Education Practicum o RadSci 5589-Vascular Interv. Practicum Total (12 Sem Cr)
May Term	May Term	May Term <u>AND</u> Summer	May Term
Summer	Summer	Rad Sci 4530-Quality Mgmt in Rad Sciences (3) Rad Sci 4089-Radiography Practicum II (7) Total (10 Sem Cr)	Summer

ADDITIONAL INFORMATION

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Quarter to Semester Conversion Template:

Radiation Therapy Program Proposal

List of semester courses (department, title, credit hours) that constitutes the requirements and other components of the program.

Department	Title	Credit hours
Math 1150	Pre-calculus	5
English 1110	First Year English Composition	3
Psychology 100	General Psychology	3
Biology 1101	Introductory Biology	4
GEC	History, Arts, Literature	9
Stats 1145	Introduction to the Practice of Statistics	3
English 2	2 nd writing	3
EEOB 232	Introductory Physiology	3
AM 2500	Medical Terminology for the Health Professions	3
Physics 1200	General Physics- Mechanics, Kinematics, Fluids, Waves	5
Physics 1201	General Physics- Electricity, Magnetism, Light Optics, Intro to atomic & nuclear phenomena	5
Anatomy 2199	Basic Human Anatomy	4
Sociology 101	Introductory Sociology	3
AM 5370	Health Care Policy and Delivery Systems	3
AM 5500	Principles of Disease	3
#####	Directed Electives	3
Rad Sci 3200	Evidence Based Practice in the Radiologic Sciences	2
Rad Sci 3310	Introduction to the Radiologic Sciences	5
Rad Sci 3573	Applied Radiation Oncology 1	3
Rad Sci 3414	RTT Equipment & Instrumentation	3
AM 5900	Research Methods	3
Rad Sci 3089	Radiation Therapy Practicum 1	5
Rad Sci 3471	Radiologic Physics	3
Rad Sci 3672	Radiologic Sectional Anatomy	3
Rad Sci 3574	Applied Radiation Oncology 2	3
Rad Sci 3483	Dosimetry	3
Rad Sci 4530	Quality Management in the Radiation Sciences	3
Rad Sci 4089	Radiation Therapy Practicum II	6
Rad Sci 4189	Radiation Therapy Practicum III	6
Rad Sci 4670	Radiation Biology/ Protection	2
Rad Sci 4478	Brachytherapy	3
Rad Sci 4482	Radiation Therapy Physics	3
Rad Sci 4485	Treatment Planning	2
Rad Sci 4630	Transitions to Clinical Practice 1	2
Rad Sci 4289	Radiation Therapy Practicum IV	8
Rad Sci 4618	Clinical Radiation Oncology	3
Rad Sci 5389	Administration & Quality Management	3
Total		135

PROGRAM RATIONALE

The BS RST curriculum conversion to semesters indicates minimal changes to curricular content. Where appropriate, core courses were combined so that students received similar content, which will allow for a broader education. The change to incorporate a broad mastery of the radiologic sciences, is reflective of changes in the healthcare environment. Although course content was merged to reduce redundancy with didactic courses, the clinical competencies required by the American Registry of Radiologic Technology and the American Registry of Diagnostic Medical Sonography have increased. Our clinical externships have remained integrated with the didactic courses to insure that the competencies are mastered. In every way possible, we have tried to hold our clinical credit hours to the minimum. We have also tried to make sure that clinical credit hours are equated with other programs in SAMP.

The most recent review of the RST programs occurred in 2009.

Curriculum map

Department	Title or GEC category	Goal #1	Goal #2	Goal #3
Math 1150	Math (Math or Logic)		beginning	
English 1110	Writing Level 1	beginning		
Psychology 100	Social Science 1	beginning		
Biology 1110	Biologic Science		beginning	
Stats 1145	Data analysis		beginning	intermediate
English 2	Writing 2	intermediate		
EEOB 232	Open options		beginning	
AM 2500	(Prerequisite)	beginning		
Physics 1200	Physical Science		beginning	
Physics 1201	Physical Science		beginning	
Anatomy 2199	Open option		beginning	
Sociology 101	Social Science 2	beginning		
AM 5370	Prerequisite	beginning		beginning
AM 5500	Intro to Pathology (prerequisite)	beginning	beginning	beginning
#####	Directed Elective	beginning	beginning	beginning
Rad Sci 3200	Evidence based practice in the Radiologic Sciences (Prerequisite)	beginning	beginning	beginning
Rad Sci 3310	Introduction to the Radiologic Sciences	intermediate	intermediate	intermediate
Math 1150	Math (prerequisite/GEC)		beginning	
English 1110	Writing (prerequisite/GEC)	beginning		
Psychology 100	Social Science (prerequisite/GEC)	beginning		
Biology 1110	Biologic Science (prerequisite/GEC)		beginning	
Rad Sci 3573	Applied Radiation Oncology 1	beginning	intermediate	intermediate
Rad Sci 3414	RTT Equipment & Instrumentation	beginning	beginning	intermediate
AM 5900	Research Design in the Biological Sci.	intermediate	intermediate	intermediate
Rad Sci 3289	Radiation Therapy clinical practicum 1	beginning	beginning	beginning
Rad Sci 3471	Radiologic Physics	beginning	intermediate	intermediate
Rad Sci 3672	Radiologic Sectional Anatomy	intermediate	intermediate	advanced
Rad Sci 3574	Applied Radiation Oncology 2	intermediate	intermediate	intermediate
Rad Sci 3483	Dosimetry	beginning	beginning	intermediate
Rad Sci 4530	Quality Management in the Radiation Sciences	intermediate	intermediate	intermediate
Rad Sci 4389	Radiation Therapy clinical practicum 2	intermediate	intermediate	intermediate
Rad Sci 4489	Radiation Therapy clinical practicum 3	intermediate	intermediate	advanced

Rad Sci 4670	Radiation Biology/ Protection	intermediate	advanced	advanced
Rad Sci 4478	Brachytherapy	intermediate	advanced	advanced
Rad Sci 4482	Radiation Therapy physics	intermediate	intermediate	advanced
Rad Sci 4485	Treatment planning	intermediate	advanced	advanced
Rad Sci 4630	Transitions to Clinical Practice 1	intermediate	advanced	advanced
Rad Sci 4589	Radiation Therapy clinical practicum 4	advanced	advanced	advanced
Rad Sci 4618	Clinical Radiation Oncology	intermediate	advanced	advanced
Rad Sci 5389	Administration & Quality Management	intermediate	intermediate	advanced

TRANSITION POLICY: The School's transition policy applies to this program.

**THE OHIO STATE UNIVERSITY
SCHOOL OF ALLIED MEDICAL PROFESSIONS**

**RADIOLOGIC SCIENCES AND THERAPY
RADIATION THERAPY**

The School of Allied Medical Professions (SAMP) is a school in The Ohio State University College of Medicine. SAMP is nationally recognized as a leader in practice-based health care education. For more than five decades, SAMP has prepared students to achieve personal and professional excellence, as they pursue an exciting career in healthcare.

PROGRAM OVERVIEW

Radiation therapy involves treating disease with penetrating beams of high-energy radiation, primarily in the treatment of cancer. They are responsible for accurately recording, interpreting and administering the treatment prescribed by radiation oncologists. During treatment, therapists help physicians use fluoroscopy, X-ray films or CT scans to localize and outline anatomical areas requiring treatment.

ADMISSION & APPLICATION PROCEDURES

Applicants must meet the following minimum requirements and submit requested materials to be considered for admission. The Application deadline for Autumn 2010 professional admission is **January 31, 2010**.

1. An electronic application is available online at <http://www.professional.osu.edu/alliedmed.asp> which should be completed and submitted with all required supplemental documents.
2. A minimum 2.5 cumulative GPA is required in all coursework taken at all accredited institutions. All post-secondary coursework is considered. Although a 2.5 GPA is the minimum, the average GPA is typically higher than a 3.0.
3. Completion of prerequisite courses by the end of Spring quarter prior to enrollment in the professional program.
4. 50 hours of documented direct patient contact experience in a Department of Radiology in at least two modalities. Documentation forms can be found online at www.amp.osu.edu.
5. A personal interview may be requested by the division. Knowledge of the profession and personal career goals will be evaluated at this time.

DEGREE REQUIREMENTS

A minimum total of 182 quarter credit hours, including all general graduation requirements, General Education Curriculum, program prerequisites, and professional curriculum.

General Education Curriculum (79-80 hours)

Students must complete the General Education Curriculum (GEC) before graduating from the University.

Writing and Related Skills (10 hours)	Historical Study (10 hours)
Mathematical and Logical Analysis (9-10 hours)	Art and Humanities (10 hours)
Natural Sciences (20 hours)	Breadth Courses (10 hours)
Social Sciences (10 hours)	Diversity Courses (0-15 hours)

Program Prerequisites (64 hours)

Students who wish to apply to the Radiologic Sciences and Therapy, Radiation Therapy program must have completed at least 90 quarter credit hours including all of the following program prerequisite courses or their equivalent with a C- or better by the end of Spring Quarter prior to enrollment in the professional program.

Math 150 or higher	English 110
Chemistry 101 or 121	GEC Second Writing
Biology 101 or 113	Allied Medicine 500
Physics 111 and 112	CPR certification
Anatomy 199.04	HIMS 648, CS&E 100 or higher
EEOB 232	Radiologic Sciences & Therapy 200
Statistics 135 or 145	Communication 101 or 105 or 200 or 320 or 321

Professional Curriculum (97 hours)

The professional curriculum includes courses available to students who have been admitted to the professional program. It is completed in sequence and there is no provision for part-time or evening-only enrollment.

SUGGESTED SCHEDULING PLAN

The following plan demonstrates how students may complete the Radiation Therapy program in 13 quarters. The quarter and year in which some courses are placed can be adjusted to meet the individual needs of students. It is assumed that students following this plan will begin Professional coursework (Year 3) in Autumn 2010.

<i>Year 1</i>	<i>Year 2</i>	<i>Year 3</i>	<i>Year 4</i>
Autumn Allied Med 100 (1) Math 150 or higher (5) GEC (5) GEC (5) Total (16)	Autumn Physics 111 (5) Statistics 135 or 145 (5) CS&E 100 (3) GEC (5) Total (18)	Autumn Rad Sci 311 (3) Rad Sci 425 (3) Rad Sci 414 (3) Rad Sci 441.01 (3) Rad Sci 595 (2) Total (14)	Autumn Rad Sci 485 (2) Rad Sci 530 (4) Rad Sci 541.03 (4) Rad Sci 595 (2) Allied Medicine 505 (3) Total (15)
Winter Chemistry 101 or 121 (5) Allied Medicine 500 (3) GEC (5) Total (13)	Winter Physics 112 (5) EEOB 232 (5) GEC (5) Total (15)	Winter Rad Sci 415 (3) Rad Sci 481 (3) Rad Sci 573 (2) Rad Sci 441.02 (3) Allied Medicine 680.01 (3) Total (14)	Winter Rad Sci 671 (3) Rad Sci 541.04 (4) Rad Sci 595 (2) Allied Medicine 506 (3) Total (12)
Spring Biology 101 or 113 (5) English 110 (5) Rad Sci 200 (2) GEC (5) Total (17)	Spring Anatomy 199.04 (5) Communication (5) GEC (5) Total (15)	Spring Rad Sci 416 (1) Rad Sci 483 (5) Rad Sci 574 (5) Rad Sci 441.03 (3) Rad Sci 672 (3) Total (17)	Spring Rad Sci 618 (2) Rad Sci 630.02 (1) Rad Sci 541.05 (5) Allied Medicine 601 (4) Total (12)
		Summer Rad Sci 482 (3) Rad Sci 541.01 (3) Rad Sci 541.02 (3) Rad Sci 550.42 (1) Allied Medicine 630 (3) Total (13)	

ADDITIONAL INFORMATION

It is strongly recommended that prospective students attend an information session or schedule an appointment with an academic counselor in the Office of Student Affairs. Detailed information can be accessed online at www.amp.osu.edu. Baccalaureate degree holders, transfer, international, and student athletes are strongly encouraged to meet with a counselor in the Office of Student Affairs to discuss special circumstances which may apply.

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THE OHIO STATE UNIVERSITY SCHOOL OF ALLIED MEDICAL PROFESSIONS

RADIOLOGIC SCIENCES AND THERAPY RADIATION THERAPY (SEMESTERS)

The School of Allied Medical Professions (SAMP) is a school in The Ohio State University College of Medicine. SAMP is nationally recognized as a leader in practice-based health care education. For more than five decades, SAMP has prepared students to achieve personal and professional excellence, as they pursue an exciting career in healthcare.

PROGRAM OVERVIEW

Radiation therapy involves treating disease with penetrating beams of high-energy radiation, primarily in the treatment of cancer. Therapists are responsible for accurately planning, recording, interpreting and administering the treatment prescribed by radiation oncologists. During simulation, therapists use CT scans to help physicians in localizing and outlining anatomical areas requiring treatment. Therapists utilize linear accelerators to deliver a prescribed dose of radiation to the tumor volume during treatment.

ADMISSION & APPLICATION PROCEDURES

Applicants must meet the following minimum requirements and submit requested materials to be considered for admission. The Application deadline for Autumn 2012 professional admission is January 31, 2012.

1. An electronic application is available online at <http://www.professional.osu.edu/alliedmed.asp> which should be completed and submitted with all required supplemental documents.
2. A minimum 2.5 cumulative GPA is required in all coursework taken at all accredited institutions. All post-secondary coursework is considered. Although a 2.5 GPA is the minimum, the average GPA is typically higher than a 3.0.
3. Completion of prerequisite courses by the end of Spring semester prior to enrollment in the professional program.
 - a. 50 hours of documented direct patient contact experience in a Department of Radiology (8 hours in each modality) with the balance of 50 hours in the two modalities of choice. Documentation forms can be found online at www.amp.osu.edu.
4. A personal interview may be requested by the division. Knowledge of the profession and personal career goals will be evaluated at this time.

DEGREE REQUIREMENTS

A minimum total of 120 semester credit hours, including all general graduation requirements, General Education Curriculum, program prerequisites, and professional curriculum.

General Education Courses (51 hours)

Students must complete General Education (GE) courses before graduating from the University.

Writing and Related Skills (6 hours)	Biological Science (4 hours)	Art (3 hours)
Mathematical and Logical Analysis (3 hours)	Physical Science (10 hours)	Cultures & Ideas (0-3 hours)
Data Analysis (3 hours)	Literature (3 hours)	Open Options (7 hours)
Social Sciences (6 hours)	Historical Study (3-6 hours)	

Program Prerequisites (53 hours)

Students who wish to apply to the Radiologic Sciences and Therapy, Radiography program must have completed at least 51 semester credit hours including all of the following program prerequisite courses or their equivalent with a C- or better by the end of Spring Semester prior to enrollment in the professional program.

Math 1150 (GEC)	Psychology (GEC)
Biology 1101 (GEC)	Sociology (GEC)
Physics 1200 (GEC) & 1201 (GEC)	Second Writing (GEC)
Anatomy 2199 (GEC)	AM 5500 – Introduction to Pathophysiology
Physiology (GEC)	AM 5370- Health Care Policy and Delivery Systems
Statistics 1450 (GEC)	AM 5003 – Classical Background of Scientific Terminology
English 1110 (GEC)	RadSci 200 – Evidence Based Practice in Rad Sciences

Professional Curriculum (72 hours)

The professional curriculum includes courses available to students who have been admitted to the professional program. It is completed in sequence and there is no provision for part-time or evening-only enrollment.

SUGGESTED SCHEDULING PLAN

The following plan demonstrates how students may complete the Radiation Therapy program in 9 semesters. The semester and year in which some pre-professional courses are placed can be adjusted to meet the individual needs of students. It is assumed that students following this plan will begin Professional coursework in Autumn Semester Year 3.

Year 1	Year 2	Year 3	Year 4
Autumn Math 1150 (GEC) (5) English 1 (GEC) (3) Psychology (GEC) (3) Biology1101 (GEC) (4) Total (15 Sem Cr)	Autumn Physics 1200 (GEC) (5) Anat 2199 (4) GEC (3) Sociology (GEC) (3) AM 5370 - Health Care Policy and Delivery Systems (3) Total (18 Sem Cr)	Autumn RadSci 3573-Applied Rad Onc I (3) RadSci 3414-RT Equip & Instrumentation I (3) AM 5900-Research Design in the Bio. (3) RadSci 3200 (<i>transfer stud</i>) (2) Rad Sci 3310 – Intro to Rad Sci (5) Total (14-16 Sem Cr)	Autumn RadSci 4482-Radiation Therapy Physics (3) RadSci 4485-Treatment Planning (2) RadSci 4670- Radiation Biology/Protection (2) RadSci 4489 – Radiation Therapy Practicum III (6) Total (13 Sem Cr)
Spring Stats 1145 (GEC) (3) English 2 (GEC) (3) GEC (3) EEOB 232 equiv (3) AM 5003 (3) Total (15 Sem Cr)	Spring Physics 1201 (GEC)(5) AM5500-Intro to Path (4) Directed Elective (2) GEC (3) Rad Sci 3200 (2) Total (16 Sem Cr)	Spring RadSci 3471-Radiologic Physics (3) RadSci 3574-Applied Rad Onc 2 (3) RadSci 3483-Dosimetry (3) Rad Sci 3672- Rad Sectional Anatomy (3) RadSci 3289–Rad Therapy Practicum I (5) Total (17 Sem Cr)	Spring RadSci 4618-Clinical Radiation Oncology (3) RadSci 4630- Transitions to Clinical Practice 1 (2) RadSci 4589 – Radiation Therapy Practicum IV (8) RadSci 5389 – Admin & QM in the Rad Sci (3) Total (16 Sem Cr)
May Term	May Term	May Term AND Summer	May Term
		RadSci 4530-Quality Mgmt in Rad Sci (3) RadSci 4389- Rad Therapy Practicum II (6) RadSci 4478-Brachytherapy (3) Total (12 Sem credits)	
Summer	Summer		Summer

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