**NEW YORK CITY COLLEGE OF TECHNOLOGY**

**THE CITY UNIVERSITY OF NEW YORK**

**DATE:** April 17, 2018

**TO:** Randall Hannum, College Curriculum Committee Chair

**FROM:** Ohbong Kwon (Chair), Mohammad Razani and Randall Hannum

**SUBJECT:** Final Report for 17-12, RAD Tech Major Curriculum Modification for AAS and BS Programs

**Proposal Overview:**

The Radiologic Technology and Medical Imaging Department is proposing major and minor curriculum modifications for the AAS and BS programs. It is comprised of multiple components:

1. Major Changes for the AAS program

1. Removal of COM 1330 as a degree requirement
2. Inclusion of BIO 1101 as a prerequisite
3. RAD 1128 (2 cl hrs, 2 cr) → RAD 1129 (1 cl hr, 2 lab hrs, 2 cr): change in contact hours.

2. Major Changes for the BS in Radiological Science degree program: Create THREE concentrations

1. Modify the Approved Curriculum to become the General Concentration

* RAD 3627 Advanced Sectional Anatomy and RAD 3628 Pathophysiology for Medical Imaging courses into one course, RAD 3629 Advanced Anatomy with Pathophysiology

1. Create CT (Computed Tomography) Concentration: Introduce 5 new courses shown below.

* RAD 3525 CT Anatomy, Pathophysiology and Instrumentation
* RAD 3728 CT Clinical Education I
* RAD 4628 CT Clinical Education II
* RAD 4728 CT Clinical Education III
* RAD 4827 Advanced CT Theory and Applications

1. Create MR (Magnetic Resonance) Concentration: Introduce 5 new courses shown below.

* RAD 3737 MR Anatomy, Pathophysiology and Instrumentation
* RAD 3739 MR Clinical Education I
* RAD 4629 MR Clinical Education II
* RAD 4729 MR Clinical Education III
* RAD 4829 Advanced MR Theory and Applications

1. All Concentrations: Introduce a new elective course.

* RAD 3100 Principles of Mammography

3. Minor Changes for the AAS program

1) RAD 1125 Radiographic Procedures I: change in prerequisite and corequisite.

2) RAD 1126 Image Production and Evaluation I: change in prerequisite and corequisite.

3) RAD 1127 Patient Care and Management: change in prerequisite and corequisite.

4. Minor Changes for the BS program

* 1. RAD 4726 Advanced Medical Imaging I to RAD 3726: change in course code and prerequisite.
  2. RAD 4830 Capstone Leadership Roles in Medical Imaging: change in corequisite, prerequisite and course description.

**Rationale for Curriculum Modification:**

To better serve our students, COM 1330 will be moved from the AAS to the BS program, and BIO 1101 will become a prerequisite of the AAS program. CT and MR are advanced imaging modalities that have been and remain in high demand in the industry. Program graduates often look outside the college for continuing education programs in these areas. By making these modalities part of the BS program, students will receive superior training in these modalities and be better prepared for advanced certifications and career progression.

**Proposal Strengths:**

The proposed changes promise to strengthen the RAD Technology program by 1) providing a stronger basis for all program students with either emphasis on an advanced modality practice or a better designed general concentration and 2) balancing the need for advanced training, specifically in MR or CT for the working AAS professionals that need the specialized knowledge to perform as a dedicated specialist in the work place.

**Weaknesses:**

None

**Issues and Concerns Discussed and Resolved:**

The subcommittee offered several suggestions and comments for revisions to the proposers. All were accepted and made. These are reflected in the final proposal.

**Subcommittee Activities:**

The subcommittee met to review the proposal on March 21st and had a meeting with all proposers, Profs. Eric Lobel, Subhendra Sarkar, and Evans Lespinasse (Chair of the Rad Tech Department) to communicate the comments and suggestions on March 29th. On April 10th, the subcommittee met with all proposers, Provost Bonne August, Associate Provost Pamela Brown, Dean David Smith, and Ms. Kim Cardascia.