

Datatel Program Code	RAD.AAS
COTC Major Number	005010
CIP Code	50.0911
Page 1	

In Autumn 2012, Central Ohio Technical College will convert from the Quarter system (4 quarters per academic year) to the Semester system (2 Semesters and 1 Summer Session per academic year). Students entering COTC in Summer 2011, Autumn 2011, Winter 2012, Spring 2012, or Summer 2012 will begin their program in Quarters.

COTC makes the following three guarantees to all students who will transition from the quarter system into the semester system:

- 1) No loss of academic progress;
- 2) No delay in time to degree completion/graduation; and
- 3) No increase in total tuition and fees expended for the degree system to the program.

If transitioning from the Quarter to the Semester system, please visit the COTC "Think Semesters" web page

<http://www.cotc.edu/ThinkSemesters/Pages/default.aspx>

regularly for updates and for important additional information.

Students should meet with their Academic Advisor to map out individual paths to their degree.

PRE-ADMISSION COURSE REQUIREMENTS FOR RAD.AAS program

The Associate of Applied Science degree program in Medical Imaging in Radiologic Science is a selection-based program, meaning a student must APPLY to the program and then be SELECTED into the program before being able to meet graduation requirements. The following COTC courses (or their equivalents) must be completed prior to being admitted into the RAD.AAS program. All courses must be completed with a grade of C (2.00) or better.

1. MTH-1205 Introduction to Algebra
2. MTH-1215 College Algebra (5 credit hrs)
3. BIO-1705 Introduction to Biology
4. (CHM-1700 Basic Chemistry and CHM-1710 General Organic Chemistry) or (CHM-1713 Chemistry Fundamentals)

A grade of C (2.00) or better is required for all Medical Imaging, Human Anatomy and Physiology, and Medical Terminology courses in order to continue in and graduate from the Medical Imaging in Radiologic Science Technology program.

Policies of the Medical Imaging in Radiologic Science Technology program which are unique in regard to admission, re-admission, grading and promotion are available in the Student Handbook, Division of HealthTechnologies.

KEY:

- * Indicates this course has a prerequisite; please see the Course Description Section on the COTC Web Page
- ** Indicates there will be no equivalent for this course in the Semester system; please see Academic Advisor
- NT - Indicates this course fulfills a Non-Technical Course Requirement in this Plan of Study
- NT Elec - Indicates Elective Choice in the Non-Technical course requirement category
- T - Indicates this course fulfills a Technical Course Requirement in this Plan of Study
- T Elec - Indicates Elective Choice in the Technical course requirement category

YEAR 1 2011-2012 (Quarter System)

Course Name	Course Title	Course Credit Hours	Tech, Non-tech or Elective	Quarter(s) Course Offered	Equivalent Semester Course	Equivalent Semester Cr Hrs
QUARTER 1 - SM11						
BIO-1760	Medical Terminology	2.00	NT	SM,AU,WI,SP	BIO-110	2.00
BIO-1772	Human Anatomy and Physiology I	6.00	NT	SM,AU,WI,SP	BIO-130	4.00
COM-1535	Composition I	4.00	NT	SM,AU,WI,SP	ENGL-110	3.00
RAD-4130	Pre-Clinical Radiology	1.00	T	SM	MEDIMG-184	0.50
RAD-4157	Radiation Physics I	2.00	T	SM	Part of MEDIMG-130	1.50
Total Credit Hours		15.00				
QUARTER 2 - AU11						
BIO-1773	Human Anatomy and Physiology II	6.00	NT	SM,AU,WI,SP	BIO-131	4.00
RAD-4103	RAD Anatomy and Positioning I	4.00	T	AU	Part of MEDIMG-101	3.00
RAD-4109	Patient Care & Management I	1.00	T	AU	Part of MEDIMG-164 & Part of MEDIMG-165	0.50 & 1.00
RAD-4146	Clinical Radiology I	2.00	T	AU	Part of MEDIMG-185 & Part of MEDIMG-186	1.00 & 2.00
RAD-4158	Radiation Physics II	2.00	T	AU	Part of MEDIMG-130 & Part of MEDIMG-131	1.50 & 1.50
Total Credit Hours		15.00				
QUARTER 3 - WI12						
BHS-1379	Cultural Diversity	3.00	NT	SM,AU,WI,SP	SOC-110	3.00
RAD-4102	RAD Anatomy & Positioning II	5.00	T	WI	Part of MEDIMG-101 & Part of MEDIMG-102	3.00 & 3.00
RAD-4150	Clinical Education in Radiology II	3.00	T	WI	Part of MEDIMG-186 & Part of MEDIMG-187	2.00 & 2.00
RAD-4165	Patient Care & Management II	1.00	T	WI	Part of MEDIMG-165 & Part of MEDIMG-166	1.00 & 1.00
RAD-4184	Principles of Radiographic Exposure	4.00	T	WI	Part of MEDIMG-133	4.00
Total Credit Hours		16.00				

Datatel Program Code	RAD.AAS
COTC Major Number	005010
CIP Code	50.0911
Datatel Program Code	RAD.AAS
COTC Major Number	005010
CIP Code	50.0911
Page 2	

YEAR 1 2011-2012 (Quarter System) -- Continued

Course Name	Course Title	Course Credit Hours	Tech, Non-tech or Elective	Semester(s) Course Offered	Equivalent Quarter Course	Equivalent Quarter Cr Hrs
QUARTER 4 - SP12						
COM-1536	Composition II	4.00	NT	SM,AU,WI,SP	ENGL-111	3.00
DMS-4511	Cross Sectional Anatomy	3.00	NT	SP	DMS-110	2.00
RAD-4166	Patient Care and Management III	1.00	T	SP	Part of MEDIMG-166	1.00
RAD-4178	Clinical Education in Radiology III	3.00	T	SP	Part of MEDIMG-187	2.00
RAD-4187	Radiologic Imaging Modalities	4.00	T	SP	Part of MEDIMG-133 & Part of MEDIMG-233	4.00 & 3.00
Total Credit Hours		15.00				

YEAR 2 2012-2013 (SM12 - Quarter System; 12AU and 13SP - Semester System)

Course Name	Course Title	Course Credit Hours	Tech, Non-tech or Elective	Semester(s) Course Offered	Equivalent Quarter Course	Equivalent Quarter Cr Hrs
QUARTER 5 - SM12						
BHS-1376	General Psychology	5.00	NT	SM,AU,WI,SP	PSYCH-100	3.00
RAD-4154	Radiographic Seminar I	2.00	T	SM	MEDIMG-154	1.00
RAD-4159	Clinical Radiology IV	4.00	T	SM	MEDIMG-285	4.00
RAD-4188	Speciality Disciplines in Radiology	1.00	T	SM	MEDIMG-290	0.50
Total Credit Hours		12.00				
SEMESTER 1 - 12AU						
MEDIMG-132	Radiobiology and Radiation Protection	2.00	T	AU	RAD-4139	3.00
MEDIMG-210	Radiologic Pathology I	1.50	T	AU	RAD-4160	4.00
MEDIMG-259	Quality Assurance and Image Production	2.00	T	AU	RAD-4187 ; MEDIMG-233	4.00; 3.00
MEDIMG-267	Patient Care & Management IV	1.00	T	AU	RAD-4167 & RAD-4168	1.00 & 1.00
MEDIMG-286	Clinical Education in Radiology V	2.00	T	AU	RAD-4148 & RAD-4179	2.00 & 3.00
SPCH-210	Small Group Communications	3.00	NT	SM,AU,SP	COM-1523	3.00
Total Credit Hours		11.50				
SEMESTER 2 - 13SP						
MEDIMG-211	Radiologic Pathology II	1.50	T	SP	RAD-4160	4.00
MEDIMG-226	Departmental Administration	1.50	T	SP	RAD-4126	2.00
MEDIMG-246	Current Issues and Ethics in Medical Imaging	1.50	T	SP	RAD-4046	2.00
MEDIMG-254	Medical Imaging Seminar II	1.50	T	SP	RAD-4155	2.00
MEDIMG-287	Clinical Education in Specialty Disciplines	2.00	T	SP	RAD-4177	2.00
	Technical Elective	3.00	T Elec		See Choices Below	
Total Credit Hours		11.00				

Technical Electives

Total of 3 SEMESTER Credit Hours Required to Complete this Degree

MEDIMG-297	Interventional and Surgical Radiology	3.00	T Elec	SP	RAD-4193	5.00
MEDIMG-298	CT Instrumentation	3.00	T Elec	SP	RAD-4194	5.00
MEDIMG-299	MR Instrumentation	3.00	T Elec	SP	RAD-4195	5.00

Central Ohio Technical College - 2011-2012 Academic Year -- REVISED
Plan of Study for the Associate of Applied Science Degree in
Medical Imaging in Radiologic Science Technology

Datatel Program Code	RAD.AAS
COTC Major Number	005010
CIP Code	50.0911

The College Reserves the Right to Change Curricula Without Notice.

REVISED -- MAY, 2012