

# Curriculum Map – (Computed Tomography/Magnetic Resonance Track Bachelor of Science in Imaging Sciences) 2018

NOTE: If you are required to complete any developmental courses, you may not be able to complete the degree in four years. This curriculum map assumes that you have not transferred in any previously completed college level courses.

**All students must have 36 hours of general education courses which include:**

FYS – First Year Seminar	ENG 100 – Core Writing I
COMS 108 – Fund. Of Speech Communication	ENG 200 – Core Writing II
MATH 131, 135, 152, 174 or 175 - CORE Math	Capstone

**One 3 credit hour course from each of the following categories:**

HUM I	SBS I	NSC I
HUM II	SBS II	NSC II

The approved course list may be accessed through the current MSU Undergraduate Catalog.

FIRST YEAR COURSE SCHEDULE								
✓	Fall Semester	Code	Credits		✓	Spring Semester	Code	Credits
	FYS 101:First Year Seminar/SBS	G	3			BIOL 235: Principles of Anatomy & Physiology II *	R	3
	ENG 100 Writing I	G	3			Natural Science II	G	3
	ENG 200 Writing II	G	3			Humanities I	G	3
	MATH 152 College Algebra MATH 174 or MATH 175	G	3-4			Humanities II	G	3
	COMS 108 Fund of Speech Comm	G	3			Social & Behavioral Science I	G	3
	BIOL 234: Principles of Anatomy & Physiology (NSC I Exchange)	R,G	3			Social & Behavioral Science II	G	3
	IMS/NURS 202: Medical Terminology	R	2			Pre-licensure transfer credits from associate degree radiography program	R	Up to 40
<b>Total Credit Hours</b>			20-21		<b>Total Credit Hours</b>			58

\* BIOL 234 is a pre-requisite course for BIOL 235.

\*\*The program strongly recommends PSY 154 for SBS II

\*\*\*The number of hours of the pre-licensure component may vary depending on the specific program the student completed. If fewer than 40 hours are available for transfer, additional specific courses will be required at MSU to meet the program requirements.

SUMMER COURSE SCHEDULE								
					✓	Second Summer Session	Code	Credits
						CTMR 405 CTMR Sectional Anatomy	P,U,R	4
						CTMR 413 Advanced Patient Care	P,U,R	3
<b>Total Credit Hours</b>					<b>Total Credit Hours</b>			7

FOURTH YEAR COURSE SCHEDULE								
✓	Fall Semester	Code	Credits		✓	Spring Semester	Code	Credits
	CTMR 403 CT Physics & Instrumentation	P,U,R	3			CTMR 451: MR Physical Principles of Image Formation	U,R	4
	CTMR 443 Imaging Procedures in CT	P,U,R	4			CTMR 455: Imaging Procedures in MR	U,R	3
	CTMR 467 CT Practicum	P,U,R	8			CTMR 461 MR Practicum	U,R	8
	CTMR 483 Seminar in CT	P,U,R	2			CTMR 499C Seminar in MR	U,R,G	3
<b>Total Credit Hours</b>			17		<b>Total Credit Hours</b>			18
<b>TOTAL PROGRAM HOURS</b>								<b>120-121</b>

(E) Elective, (G) General Education Course, (P) Prerequisite, (R) Required Course, (U) Upper Division Course 300-400 level (you must have 42 hours)

Accreditation standards, program resources, and availability of clinical practicum sites influence CTMR track enrollment capacity.

The CTMR track has a selective admissions process based on a minimum GPA of 2.5. When the number of qualified applicants exceeds CTMR track enrollment capacity, applicants with the highest GPAs in the required general education courses, support courses, and radiography courses will be selected. Applicants must be graduates of the MSU Radiography Program or another radiography program accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). They must hold current certification in Radiography from the American Registry of Radiologic Technologists (ARRT) by the start of the CTMR track. They must pass MR Safety Screening. They must have current certification in Basic Life Support for Health Care Providers by the American Heart Association. Applicants must be in compliance with and clear all immunizations, criminal background checks, drug screening, health and physical capability requirements and any other requirements established by the Department of Kinesiology, Health, and Imaging Sciences.

*Rev: 1/2018 LND, 9/17 LND, 02/17/cg,ld,dw; 12/16/cg, ld, jf, dw; Rev 09/15/dw; Rev 02/15/wgg; Rev 05/14/wgg;*