2024-2025

B.S. in Medical Imaging - Computed Tomography Concentration

(Grace College degree completed in partnership with John Patrick University)

GRACE CORE (39 credits)

Students will integrate faith and learning across disciplines, demonstrate foundational knowledge and ways of knowing, cultivate characteristics of maturity in relationships with God, others, self, and the world, and apply knowledge to all aspects of life through intellectual and practical skills.

1000-Level Courses

First-Year Learning Communities

FYE 1000	First-Year Foundations	3
BIB 1050	Exploring the Bible	3
PSY 1200	Essentials of Behavioral Science	3
HIS 1050	Current Issues in Historical Context	3

First-Year Learning Competencies

ENG 1100	Effective Writing	3
COM 1100	Public Speaking	3

2000-Level Courses

	HUM 2100	Creative Arts & Culture	3
@	HUM 2000	Global Perspectives	3
	SCI 2030	Faith, Science, & Reason	3
	HUM 2010-30	Cross-Cultural Field Experience	0
@	BIB 2010	Scripture and Interpretation	3

3000-Level Courses

	ECN 3000	Consumer Economics	3
	PHI 3010	Christianity and Critical Thinking	3
@	BIB 3300	Essential Doctrinal Themes	3

ADDITIONAL GENERAL EDUCATION--B.S. DEGREE (6 credits)

Satisfies B.S. Degree

MAT 1120	College Algebra	3
PSY 1100	Introduction to Psychology	3

THE MAJOR (99 credits)

REQUIRED BIOLOGY COURSES (11 credits)

	BIO 2010/2020	Anatomy & Physiology I + Lab	4
@	BIO 2700/2710	Introduction to Microbiology	4
@	BIO 3710	Pathophysiology	3

REQUIRED BIO COURSE (PICK ONE):

@	BIO 2040/2050	Anatomy & Physiology II + Lab	4
		or	
@	BIO 1710/1720	General Biology II + Lab	

REQUIRED PHYSICS COURSES:

@	PHY 2140/2150	College Physics I + Lab	4

REQUIRED MATH COURSE

MAT 3200	Probability & Statistics	3

Required Medical Imaging Core (33 cr)

Grace/JPU		
†	IMA 3060/RS306	Patient Care in Advanced Modalities 3
†	IMA 3520/BIOL352	Imaging & Sectional Anatomy 4
†	IMA 3300/MI330	Leadership & Communication 3
†	IMA 3020/RS302	Radiation Biology & Protection 3
†	IMA 3160/RS316	Professionalism & Workplace Experience 2
†	IMA 4030/RS403	Professional Practice 1
†	IMA 3140/RS314	Pharmacology 3
†	IMA 4200/RS420	Clinical Practice I 5
†	IMA 4350/RS435	Research Methods & Capstone 2
†	IMA 3010/RS300	Orientation to Advanced Modalities 1
†	IMA 3950/RS390	Ethics & Law for Advanced Modalities 3
†	IMA 3125/RS312	Radiation Physics 3

Required CT Conc. (44 cr)

Grace/JPU		
†	IMA 4000/CT400	Orientation to Computed Tomography 1
†	IMA 4060/CT406	CT Procedures 4
†	IMA 4080/CT408	CT Instrumentation and Imaging Physics 4
†	IMA 4120/CT412	CT Anatomy and Pathology Correlation 3
†	IMA 4240/NM424	Planar and Volumetric Post-Processing 3
†	IMA 4020/NM400	Orientation to Nuclear Medicine 1
†	IMA 4700/NM406	Diagnostic and Therapeutic Procedures I 2
†	IMA 4710/NM407	Diagnostic and Therapeutic Procedures II 2
†	IMA 4780/NM408	Instrumentation, QC, and QA 3
†	IMA 4145/NM414	Radiopharmacy and Pharmacology 3
†	IMA 4245/NM424	Radiation Safety in Nuclear Medicine 2
†	IMA 4220/NM421	Clinical Practice II 11
†	IMA 4210/CT421	Clinical Practice (CT) 5

GRADUATION REQUIREMENTS

To receive a degree, each student must satisfy checksheet requirements, earn 144 credit hours, have a 2.2 GPA in major courses, a 2.0 GPA in minor courses, and a GPA of 2.0 overall. It is the student's responsibility to work with his/her advisor and monitor progress toward these goals. Some majors and/or minors may have more stringent guidelines.

IS A MINOR REQUIRED WITH THIS MAJOR? NO

Notes about this major:

CHECKSHEET TOTAL CREDITS: 144

TOTAL CREDITS NEEDED TO GRADUATE: 120

† Indicates a course taught by a partner college/university.

@ Indicates a course with prerequisites. Please review catalog for prerequisites.