



2023-2024

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	4

REQUIRED PHYSICS COURSES:

@ PHY 2140/2150	College Physics I + Lab	4
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REQUIRED MATH COURSE

MAT 3200	Probability & Statistics	3
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Grace/JPU

† IMA 3060/RS306	
† IMA 3520/BIOL352	
† IMA 3300/MI330	
† IMA 3020/RS302	
† IMA 3160/RS316	
† IMA 4030/RS403	
† IMA 3140/RS314	
† IMA 4200/RS420	
† IMA 4350/RS435	
† IMA 3010/RS300	
† IMA 3950/RS390	
† IMA 3125/RS312	

Required Medical Imaging Core (33 cr)

Patient Care in Advanced Modalities	3
Imaging & Sectional Anatomy	4
Leadership & Communication	3
Radiation Biology & Protection	3
Professionalism & Workplace Experience	2
Professional Practice	1
Pharmacology	3
Clinical Practice I	5
Research Methods & Capstone	2
Orientation to Advanced Modalities	1
Ethics & Law for Advanced Modalities	3
Radiation Physics	3

Grace/JPU

† IMA 4000/CT400	
† IMA 4060/CT406	
† IMA 4080/CT408	
† IMA 4120/CT412	
† IMA 4240/NM424	
† IMA 4020/NM400	
† IMA 4700/NM406	
† IMA 4710/NM407	
† IMA 4780/NM408	
† IMA 4145/NM414	
† IMA 4245/NM424	
† IMA 4220/NM421	
† IMA 4210/CT421	

Required CT Conc. (44 cr)

Orientation to Computed Tomography	1
CT Procedures	4
CT Instrumentation and Imaging Physics	4
CT Anatomy and Pathology Correlation	3
Planar and Volumetric Post-Processing	3
Orientation to Nuclear Medicine	1
Diagnostic and Therapeutic Procedures I	2
Diagnostic and Therapeutic Procedures II	2
Instrumentation, QC, and QA	3
Radiopharmacy and Pharmacology	3
Radiation Safety in Nuclear Medicine	2
Clinical Practice II	11
Clinical Practice (CT)	5

TOTAL CREDITS TO GRADUATE: 144

To receive a degree, each student must satisfy checksheet requirements, earn 144 credit hours, have a 2.2 GPA in major 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.

† Indicates a course taught by a partner college/university
 @ Indicates a course with prerequisites. Please review catalog for prereqs.