

RADIOLOGIC SCIENCE MANAGEMENT
BACHELOR OF SCIENCE DEGREE PROGRAM
Offered at HNL Online

Objective: The Bachelors of Science in Radiologic Science Management Program prepares diagnostic imaging professionals to fill the role of an imaging department administrator, manager, or supervisor. This is achieved within a comprehensive online learning environment geared toward high-end professional development throughout their program. Students will have the opportunity to take all of the required 36 hours of general education credits, and 45 credits of management specific courses. The BSRS Management Program requires 81 credit hours through CHCP.

Program Requirements: Applicants to the Online Bachelors of Science in Radiologic Science Program must have a certificate and/or associates degree from an accredited and approved imaging program in Radiography, Nuclear Medicine, Diagnostic Medical Sonography, or Radiation Therapy. All applicants are required to have a current certification and/or licensure with ARRT, ARDMS, or NMTCB. 42 credit hours are awarded prior learning assessment and for holding current and valid certification with American Registry of Radiologic Technologists (ARRT), Nuclear Medicine Technology Certification Board (NMTCB) or The American Registry for Diagnostic Medical Sonography (ARDMS) for applicants holding a current national certification in any of the following modalities: Radiologic Technology (ARRT), Magnetic Resonance Imaging (ARRT), Ultrasound (ARDMS), Nuclear Medicine (NMTCB/ARRT), or Radiation Therapy (NMTCB/ARRT).

The participant should also be able to read, write and speak English, and be professional at all times. This program is provided in an online format and one 8-week capstone experience.

Program Length: The length of the program is 112 weeks (28 Months).

		LECTURE HOURS	LAB HOURS	CAPSTONE HOURS	TOTAL HOURS	SEMESTER CREDITS
MODULE I						
RADB306	Diagnostic Imaging Pathophysiology	48	0	0	48	3.0
ENGL101	English Composition	48	0	0	48	3.0
MODULE II						
RADB310	Health Law & Ethics in the Imaging Science	48	0	0	48	3.0
POFT210	Business Communications and Report Writing	48	0	0	48	3.0
MODULE III						
POFM207	Introduction Statistics	48	0	0	48	3.0
RADB500	Current Trends in Health Care Delivery	48	0	0	48	3.0
MODULE IV						
RADB325	Research Methods	48	0	0	48	3.0
MATH 1314	College Algebra	48	0	0	48	3.0
MODULE V						
PSYT101	Introduction in Psychology	48	0	0	48	3.0
RADB320	Continuous Quality Improvement in Diagnostic Imaging	48	0	0	48	3.0
MODULE VI						
BMGT206	Project Management I	48	0	0	48	3.0
IGOV101	Western Civilization I	48	0	0	48	3.0
MODULE VII						
RADB400	Human Resource Management in Diagnostic Imaging	48	0	0	48	3.0
IGOV102	Western Civilization II	48	0	0	48	3.0
MODULE VIII						
RADB405	Operations Management in Diagnostic Imaging	48	0	0	48	3.0
SCSC303	Introduction to Sociology	48	0	0	48	3.0

MODULE IX						
RADB410	Asset Management in Diagnostic Imaging	48	0	0	48	3.0
POFT328	Public Speaking and Presentations	48	0	0	48	3.0
MODULE X						
RADB415	Financial Management in Diagnostic Imaging	48	0	0	48	3.0
IGOV341	American Government	48	0	0	48	3.0
MODULE XI						
RADB335	Diagnostic Imaging PACS	48	0	0	48	3.0
POFT103	Interpersonal and Communication Skills	48	0	0	48	3.0
MODULE XII						
RADB550	Management and Leadership in Radiologic Sciences	48	0	0	48	3.0
CRT100	Critical Thinking	48	0	0	48	3.0
MODULE XIII						
RADB425	Patient Safety in Diagnostic Imaging	48	0	0	48	3.0
RADB420	Communication and Information Management	48	0	0	48	3.0
MODULE XIV						
RADB430	Management Capstone	18	0	90	108	3.0
National Certification Credit						42.0
Total Hours/Credits		1266	0	90	1356	123.0

Total Program Hours = 1356 = 123.0 Semester Credits

COURSE DESCRIPTIONS

Course descriptions include the course number, title, and synopsis, a listing of lecture, laboratory, externship hours, total clock hours and academic credits. For example, the listing "15/30/0/45/2.0" indicates that the course consists of 15 hours of lecture, 30 hours of laboratory, 0 externship hours, 45 total clock hours and 2.0 academic credits.

NOTE: Students must successfully complete all prerequisite courses in sequence before advancing.

RADB305	DIAGNOSTIC IMAGING PATHOPHYSIOLOGY	48/0/0/48/3.0
Provides an overview of the pathological processes that occur as a consequence of aging, disease, heredity, and trauma including signs, symptoms, and clinical manifestations.		
ENGL101	ENGLISH COMPOSITION	48/0/0/48/3.0
This is a course in the principles of effective writing. This course is designed to develop the student's ability to write effective sentences, paragraphs and themes to develop the ability to read with understanding of rhetorical forms and devices with critical awareness		
RADB310	HEALTH LAW & ETHICS IN THE IMAGING SCIENCES	48/0/0/48/3.0
Emphasizes professional, legal, and ethical issues of digital imaging. Topics include administrative law, professional malpractice, patient rights, risk management, labor law, contract law, and ethical considerations.		
POFT201	BUSINESS COMMUNICATION AND REPORT WRITING	48/0/0/48/3.0
Course includes those concepts and information required to develop business communications, including spelling, proofreading, sentence structure and the parts of speech. Also covered in this course is developing effective oral and written communications that are used in business.		
RADB320	CONTINUOUS QUALITY IMPROVEMENT IN DIAGNOSTIC IMAGING	48/0/0/48/3.0

Introduces the principles of continuous quality improvement in radiology. Includes risk management, problem identification and analysis and quality assurance of the imaging systems.		
PSYT101	INTRODUCTION TO PSYCHOLOGY	48/0/0/48/3.0
This course covers the interrelationship between biology and human behavior. Included in this course are theories involved in sensation and perception, consciousness, learning, memory, thought, language, mental abilities, motivation and emotion, effects of stress, personality traits, social psychology, and psychological disorders and their treatments.		
RADB325	RESEARCH METHODS	48/0/0/48/3.0
This course is an introduction to methods and techniques of research in the radiologic sciences. Topics include basic terminology of research, qualitative and quantitative methods, basic research designs, and data analysis techniques.		
MATH1314	COLLEGE ALGEBRA	48/0/0/48/3.0
The students will identify and operate with absolute value equations and inequalities, will acquire graphing skills, inverse functions, logarithmic and exponential functions, polynomial and rational functions, piece-wise defined functions, theory of equations and matrices.		
RADB500	CURRENT TRENDS IN HEALTH CARE DELIVERY	48/0/0/48/3.0
The students will learn the essentials of the U.S. health care system including the basic structure and health care operations. Students will learn about the health care delivery system as it relates to the historical overview, technology, financing and reimbursement, hospital and outpatient services, managed care and insurance, long-term care, cost, access and quality, health policy, and the future of the health care delivery system		
POFM207	INTRODUCTION TO STATISTICS	48/0/0/48/3.0
This course familiarizes students with the basic concepts of statistics and provides a comprehensive overview of its scope and limitations. Students perform statistical analyses of samples, compute the measures of location and dispersion, and interpret these measures for descriptive statistics. Other sections review linear regression, multiple regression, and correlation analysis, as well as model building, model diagnosis, and time series regression using various models. After a review of the basic concepts of probability, students apply discrete and continuous distributions of probability. Other topics include constructing a hypothesis on one and two samples, performing one-way and two-way analyses of variance, and applying nonparametric methods of statistical analysis.		
BMGT206	PROJECT MANAGEMENT I	48/0/0/48/3.0
This course will assist students in preparation for the Certified Associate of Project Management (CAPM) exam. Students will learn the terminology, tools, and techniques that are required to take a project from the initiating process to planning, executing, controlling, and closing. In addition to providing students with an overview of key concepts from PMI's <i>I A Guide to the Project Management Body of Knowledge, Fourth Edition (PMBOK)</i> , this course is designed to build confidence and raise the student's chances of passing the CAPM Exam		
IGOV101	WESTERN CIVILIZATION I	48/0/0/48/3.0
This course provides students with a comprehensive overview of development of early civilizations from Neolithic times to 1715. Early and contemporary Western cultures are compared and contrasted, as are major religious, social, and political reforms. Other topics include the religious influence in Judaism and the Bible, rise and fall of the ancient Greece, and the transformation of Rome from a republic to an empire. The Crusades, the origins of feudalism, and the evolution of Christianity are examined as is the evolution of the European economy during Westward expansion. The Scientific Revolution and Enlightenment period are also discussed.		
RADB400	HUMAN RESOURCE MANAGEMENT IN DIAGNOSTIC IMAGING	48/0/0/48/3.0
This course is an examination of the latest, most effective best practices in human resource management in the radiology department.		

IGOV102	WESTERN CIVILIZATION II	48/0/0/48/3.0
<p>This course provides students with a comprehensive overview of concepts, people, and events that shaped Western culture from the eighteenth to the twenty-first centuries. Topics include: the rise of Eastern and Western Europe, the Enlightenment era philosophies; the impact of the French Revolution on political, social, and economic world order; and the effects of the industrial revolution on Western Society. Unification era politics; various methods of imperial indoctrination; and major political, economic, and social reforms explored, along with the root causes and strategies that affected the outcomes of WWI and WWII. Social, economic, and political changes that occurred in twentieth are also examined.</p>		
RADB405	OPERATIONS MANAGEMENT IN DIAGNOSTIC IMAGING	48/0/0/48/3.0
<p>This course is an examination of the protocols, policies, and procedures; customer management and satisfaction; performance improvement tools; and marketing services employed by managers of imaging departments.</p>		
SCSC303	INTRODUCTION TO SOCIOLOGY	48/0/0/48/3.0
<p>This course provides a broad overview of sociology and how it applies to everyday life. Major theoretical perspectives and concepts are presented, including sociological imagination, culture, deviance, inequality, social change, and social structure. Students also explore the influence of social class and social institutions, such as churches, education, healthcare, government, economy, and environment. The family as a social structure is also examined.</p>		
RADB410	ASSET MANAGEMENT IN DIAGNOSTIC IMAGING	48/0/0/48/3.0
<p>This course addresses a wide variety of issues including capital equipment planning, building and construction planning, project implementation, maintenance, and supplies.</p>		
POFT328	PUBLIC SPEAKING AND PRESENTATIONS	48/0/0/48/3.0
<p>The Public Speaking and Presentations course requires the student to develop skills in speech composition, speech delivery and effective listening. The student will develop and refine presentation skills focusing on compiling, organizing and outlining the research material in preparation for assignments. The ability to respond to questions and challenges during presentation situations will also be cultivated. The student will gain skills in the following proficiencies as part of successful completion of this course; clear and logical thinking; including the ability to analyze, synthesize, evaluate, and interpret information and ideas.</p>		
RADB415	FINANCIAL MANAGEMENT IN DIAGNOSTIC IMAGING	48/0/0/48/3.0
<p>This course addresses important topics ranging from the myriad ethical dilemmas that occur in radiology to budgeting and measuring productivity. Topics addressed include the fundamentals of financial statements and the standards that guide financial reporting; generating revenue; controlling costs, planning for the future; and other organizational issues, such as staying on the right side of the law by using corporate compliance planning and resolving ethical dilemmas.</p>		
IGOV341	AMERICAN GOVERNMENT	48/0/0/48/3.0
<p>In this course the student will explore how the founders created a democracy based upon the ideals of liberty, equality, and self-government. The students discover how the government is structured and how it operates, and examines the three branches of the United States government that create a system of checks and balances. The learner will be able to carry out the following activities: distinguish between civil rights and civil liberties, and explain how these rights and liberties are achieved through politics; evaluate how citizens participate in public affairs during elections and through intermediaries such as political parties, interest groups, and the media; analyze the ways Americans think politically, and describe the effect their opinions have on government; differentiate the divisions of political power among the executive, legislative, and judicial branches of government; describe various ways that the public interacts with the government; summarize how politics of the United States reflect the nature of the political system and its people, and why they tend to be piecemeal and reactive; compare and contrast the structures of the federal, state, and local governments.</p>		
RADB335	DIAGNOSTIC IMAGING PACS	48/0/0/48/3.0
<p>This course will investigate the use of picture archival and communications systems and its impact on health care. Topics will include comparison of computer based records to traditional film records, PACS impact on teleradiology, as well as the acquisition of a system, medical-legal, productivity, image compression, and image storage and retrieval issues.</p>		

POFT103	INTERPERSONAL AND COMMUNICATION SKILLS	48/0/0/48/3.0
Emphasis on the application of basic psychological principles and the study of behavior as they apply to special populations. Topics include procedures for self-understanding and social adaptability in interpersonal communication with patients, teachers and co-workers in an ambulatory care of hospital setting.		
RADB550	MANAGEMENT AND LEADERSHIP IN RADIOLOGIC SCIENCES	48/0/0/48/3.0
This course is designed to provide the student knowledge and information as it related to health care supervision and management. Included in this course is strategic planning, managing decision making, supervisory and management skills, team building, coaching, goal development and goal setting, leadership processes and communication within an organization.		
CRT100	CRITICAL THINKING	48/0/0/48/3.0
This course introduces critical thinking skills. Students gain an introductory level experience in deductive/inductive reasoning skills. The student will discuss experiences of everyday life and the repercussions of decision making at various levels.		
RADB420	COMMUNICATION & INFORMATION MANAGEMENT	48/0/0/48/3.0
This course offers information on the latest, most effective best practices in communication & information management. This course addresses a wide variety of questions associated with the practice of information management in radiology and the communication of information within radiology and between radiology and the medical community in which it resides. Content includes strategic planning, internal and external communications, information technology, image and digital data management, and the organization of information.		
RADB425	PATIENT SAFETY IN DIAGNOSTIC IMAGING	48/0/0/48/3.0
This course focuses on the general patient safety and modality specific concerns a department manager will address through in-service training and policy development and review		
RADB430	MANAGEMENT CAPSTONE	18/0/90/108/3.0
Building on the knowledge and skills obtained throughout the program, students will both observe and apply concepts of management and administration in the clinical setting. Each experience will be unique to meet the needs of the student. Objectives will be determined through collaboration of the CHCP faculty member, the student, and the site preceptor. Prerequisites: Successful completion all BSRS required course work		