Currently Existing HIT Course	ONC Module Component	Topics Covered by Components
Currently Existing HIT Course HIT 225 Healthcare Informatics This course covers data analysis to support decision making, patient care, and regulatory compliance. Topics include clinical terminology and vocabulary systems, data capture methodology, data presentation and reporting, and initiatives to improve the quality of patient care. Upon completion, students should be able to identify data elements and sets, analyze capture methodology in healthcare settings, analyze compliance issues and make improvement recommendations.	ONC Module Component Comp 4 – Introduction to Information and Computer Science This unit introduces basic computing concepts and terminology. It identifies common elements of computers, both in terms of hardware and software and provides information on selecting a computer by discussing the range of computer types, from desktops to laptops to servers. Finally, it provides a history of the development of computing and	 Topics Covered by Components Basic Computing Concepts, Including History Internet and World Wide Web Computer Hardware Computer Software Computer Programming Databases and SQL Networks Security
HIT 110 Fundamentals of HIM This course introduces Health Information Management (HIM) and its role in healthcare delivery systems. Topics include standards, regulations, and initiatives; payment and reimbursement systems and healthcare providers and disciplines; and Electronic Health Records (EHRs). Upon completion, students should be able to demonstrate an understanding of health information management and healthcare organizations, professions, and trends.	time.	Information SystemsFuture of Computing
HIT 112 Health Law & Ethics This course covers legislative and regulatory processes, legal terminology, and professional- related and practice-related ethical issues. Topics	Comp 5 – History of Health Information Technology in the US This component traces the development of IT systems in health care and public health, beginning with the experiments of	 Evolution of Health IT Evolution of Health IT: Modern Era Evolution of Health IT: The HITECH Act

 Include confidentiality; privacy and security policies, procedures and monitoring; release of information policies and procedures; and professional-related and practice-related ethical issues. Upon completion, students should be able to apply policies and procedures for access and disclosure of Protected Health Information and apply and promote ethical standards. This course is also available through the Virtual the 1950s and 1960s and culminating in the 1950s and 1960s and culminating in the 1950s and 1960s and culminating in the HITECH act, including the introduction of the concept of "meaningful use" of electronic health records. History of Clinical Decision Support History of CPOE and E- Prescribing History of HIE
policies, procedures and monitoring; release of information policies and procedures; and professional-related and practice-related ethical issues. Upon completion, students should be able to apply policies and procedures for access and disclosure of Protected Health Information and apply and promote ethical standards.the HITECH act, including the introduction of the concept of "meaningful use" of electronic health records.Informatics• History of Electronic * History of Clinical Decision Support• History of Clinical Decision Support• History of CPOE and E- Prescribing• History of HIE
 information policies and procedures; and professional-related and practice-related ethical issues. Upon completion, students should be able to apply policies and procedures for access and disclosure of Protected Health Information and apply and promote ethical standards. This course is also available through the Virtual introduction of the concept of "meaningful use" of electronic health records. History of Electronic Health Records History of Clinical Decision Support History of CPOE and E- Prescribing History of HIE
professional-related and practice-related ethical issues. Upon completion, students should be able to apply policies and procedures for access and disclosure of Protected Health Information and apply and promote ethical standards."meaningful use" of electronic health records.Health Records• History of Clinical Decision Support• History of Clinical Decision Support• History of CPOE and E- Prescribing• This course is also available through the Virtual• History of HIE
 issues. Upon completion, students should be able to apply policies and procedures for access and disclosure of Protected Health Information and apply and promote ethical standards. This course is also available through the Virtual records. History of Clinical Decision Support History of CPOE and E-Prescribing History of HIE
apply policies and procedures for access and disclosure of Protected Health Information and apply and promote ethical standards.Decision SupportThis course is also available through the Virtual• History of CPOE and E- Prescribing• History of HIE
disclosure of Protected Health Information and apply and promote ethical standards.• History of CPOE and E- PrescribingThis course is also available through the Virtual• History of HIE
apply and promote ethical standards.PrescribingThis course is also available through the Virtual• History of HIE
This course is also available through the Virtual • History of HIE
Learning Community (VLC).
Security Legislation
HIT 122 Professional Practice Experience I
This course provides supervised clinical experience Regulation
in healthcare settings. Emphasis is placed on History of Mobile
practical application of curriculum concepts to the
healthcare setting. Upon completion, students should
be able to apply health information theory to
History of Quality
HIT 124 Professional Practice Experience II
This course provides supervised clinical experience
in healthcare settings. Emphasis is placed on • Payment-Related Issues
practical application of curriculum concepts to the
healthcare setting. Upon completion, students should • History of Health IT
be able to apply health information theory to Organizations
healthcare facility practices.
HIT 222 Professional Practice Experience III
This course provides supervised clinical experience
in healthcare settings. Emphasis is placed on
practical application of curriculum concepts to the

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healthcare setting. Upon completion, students should		
be able to apply health information theory to		
healthcare facility practices.		
MED 121 Medical Terminology I	Comp 3 - Terminology in Healthcare	Understanding Medical
This course introduces prefixes, suffixes, and word	and Public Health Settings	Words
roots used in the language of medicine. Topics	Explanation of specific terminology used	• Integumentary system
include medical vocabulary and the terms that relate	by workers in healthcare and public	 Musculoskeletal system
to the anatomy, physiology, pathological conditions,	health. Note that is NOT a course in data	• Blood, Lymphatic and
students should be able to pronounce, spall, and	representation of standards	Immune system
define medical terms as related to selected hody		Cardiovascular System
systems and their pathological disorders (*VLC)		Endocrine System
systems and then pathological disorders. (*vEC)		• Ears, Nose, Throat, Eye
MED 122 Medical Terminology II		and Vision
This course is the second in a series of medical		 Nervous System
terminology courses. Topics include medical		Reproductive System
vocabulary and the terms that relate to the anatomy.		 Respiratory System
physiology, pathological conditions, and treatment		Urinary System
of selected systems. Upon completion, students		• Public Health and
should be able to pronounce, spell, and define		Healthcare System
medical terms as related to selected body systems		Terminology
and their pathological disorders.		• What is Health information
(*VLC)		Management and
		Technology?
BIO 168 Anatomy and Physiology I		• Electronic Health Records
This course provides a comprehensive study of the		• Standards to promote
anatomy and physiology of the human body. Topics		Health Information
include body organization, homeostasis, cytology,		Exchange

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histology, and the integumentary, skeletal, muscular,	
and nervous systems and special senses. Upon	
completion, students should be able to demonstrate	
an in-depth understanding of principles of anatomy	
and physiology and their interrelationships. This	
course has been approved to satisfy the	
Comprehensive Articulation Agreement for	
transferability as a premajor and/or elective course	
requirement.	
BIO 169 Anatomy and Physiology II	
This course provides a continuation of the	
comprehensive study of the anatomy and physiology	
of the human body. Topics include the endocrine,	
cardiovascular, lymphatic, respiratory, digestive,	
urinary, and reproductive systems as well as	
metabolism, nutrition, acid-base balance, and fluid	
and electrolyte balance. Upon completion, students	
should be able to demonstrate an in-depth	
understanding of principles of anatomy and	
physiology and their interrelationships. This course	
has been approved to satisfy the Comprehensive	
Articulation Agreement for transferability as a	
premajor and/or elective course requirement	
HIT 226 Principles of Disease	
This course covers disease etiology and organ	
system involvement, including physical signs and	
symptoms, prognoses, and common complications	
and their management. Topics include basic	

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microbiology, basic pharmacology, and principles of disease. Upon completion, students should be able to relate disease processes to etiology, physical signs and symptoms, prognosis, and common complications and their management.	Comp 6 - Health Management	What is Health Informatics
This course covers data analysis to support decision making, patient care, and regulatory compliance. Topics include clinical terminology and vocabulary systems, data capture methodology, data presentation and reporting, and initiatives to improve the quality of patient care. Upon completion, students should be able to identify data elements and sets, analyze capture methodology in healthcare settings, analyze compliance issues and make improvement recommendations. HIT 221 Lifecycle of EHR This course covers the system selection, design and implementation of an electronic health record (EHR) in integrated delivery networks. Topics include the system development life cycle, analysis of existing systems, required resources, and common resource constraints. Upon completion, students should be able to understand system development life cycles, analyze design and engineering, and make recommendations to improve efficiency of operations.	Information Systems A "theory component, specific to healthcare and public health applications. Introduction to health IT standards, health-related data structures, software applications; enterprise architecture in health care and public health organizations	 Health Information Systems Overview Electronic Health Records Computerized Provider Order Entry (CPOE) Clinical Decision Support Systems Patient monitoring Systems Medical Imaging Systems Consumer Health Informatics Administrative, Billing, and Financial Systems

HIT 225 Healthcare Informatics	Comp 7 - Working with Health IT	• Introduction & Overview:
This course covers data analysis to support decision	Systems	Components of HIT
making, patient care, and regulatory compliance.	A laboratory component. Students will	Systems
Topics include clinical terminology and vocabulary	work with simulated systems or real	• Under the Hood
systems, data capture methodology, data	systems with simulated data. As they	• Understanding Information
presentation and reporting, and initiatives to improve	play the role of practitioners using these	Exchange in HIT Systems
the quality of patient care. Upon completion,	systems, they will learn what is	• The Effective IT system
students should be able to identify data elements and	happening "Under the hood." They will	• Fundamentals of Usability
sets, analyze capture methodology in healthcare	experience threats to security and	in HIT Systems – What
settings, analyze compliance issues and make	appreciate the need for standards, high	Does It Matter?
improvement recommendations.	levels of usability, and how errors can	• HIT Facilitated Error –
	occur. Materials must support hands-on	Cause and Effect
HIT 221 Lifecycle of EHR	experience in computer labs and on-site	• Protecting Privacy,
This course covers the required skills needed for	health organizations.	Security, and
implementing healthcare IT applications, with		Confidentiality in HIT
emphasis on electronic health records (EHR). Topics		Systems
include leadership development skills,		• HIT System Planning,
interdisciplinary collaboration, organizational		Acquisition, Installation &
change management, project management software,		Training: Practices to
and the study of communication skills required		Support & Pitfalls to
across healthcare disciplines. Upon completion,		Avoid
students should be able to effectively collaborate and		• Potential Issues with
communicate with healthcare disciplines to		Adoption and Installation
implement informatics projects within the healthcare		of an HIT system
setting.		• HIT Aspects of patient-
HIT 227 Informatics Proj. Management		centered care
This course covers the required skills needed for		• Health IT in the Future
implementing healthcare IT applications with		
implementing heatineare 11 applications, with		

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HIT Curriculum Course Descriptions and ONC HIT P	rofessional Exam Competency Exam Bluepr	ints (Practice Workflow Role)
emphasis on electronic health records (EHR). Topics include leadership development skills, interdisciplinary collaboration, organizational change management, project management software, and the study of communication skills required across healthcare disciplines. Upon completion, students should be able to effectively collaborate and communicate with healthcare disciplines to implement informatics projects within the healthcare setting.		
HIT 225 Healthcare Informatics This course covers data analysis to support decision making, patient care, and regulatory compliance. Topics include clinical terminology and vocabulary systems, data capture methodology, data presentation and reporting, and initiatives to improve the quality of patient care. Upon completion, students should be able to identify data elements and sets, analyze capture methodology in healthcare settings, analyze compliance issues and make improvement recommendations.	Comp 9 - Networking and Health Information Exchange	 ISO Open Systems Interconnection (OSI) Network Media and Hardware Communication Devices National and International Standards Developing Organizations Basic Health Data Standards EHR Functional Model Standards Health Data Interchange Standards Supporting Standards for EHR Applications Enterprise Architecture Models

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	oressional Enam Competency Enam Bracp	
HIT 227 Informatics Project Management This course covers the required skills needed for implementing healthcare IT applications, with emphasis on electronic health records (EHR). Topics include leadership development skills, interdisciplinary collaboration, organizational change management, project management software, and the study of communication skills required across healthcare disciplines. Upon completion, students should be able to effectively collaborate and communicate with healthcare disciplines to implement informatics projects within the healthcare setting.	Comp 10 - Fundamentals of Health Workflow Process Analysis & Redesign Fundamentals of health workflow process analysis and redesign as a necessary component of complete practice automation; includes topics of process validation and change management.	 Privacy, Confidentiality, and Security Issues and Standards Health Information Exchange Concepts of Processes and Process Analysis Internet and the World Wide Web Computer Hardware Computer Software Computer Programming Databases and SQL Networks Security Information Systems Future of Computing
HIT 225 Healthcare Informatics This course covers data analysis to support decision making, patient care, and regulatory compliance. Topics include clinical terminology and vocabulary systems, data capture methodology, data presentation and reporting, and initiatives to improve the quality of patient care. Upon completion, students should be able to identify data elements and sets, analyze capture methodology in healthcare	Comp 11 - Configuring EHRs A practical experience with a laboratory component, addressing approaches to assessing, selecting, and configuring EHRs to meet the specific needs of customers and end-users.	 Migration to an Electronic Health Record System Patient Care Clinical Workflow; Multiple Perspectives of Patient Care (VistA Demo) Implementing Clinical Decision Support (VistA Demo)

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settings, analyze compliance issues and make		Building Order Sets (VistA
improvement recommendations.		Demo)
		Templates
HIT 221 Lifecycle of EHR		• Health Summary and
This course covers the system selection, design and		Clinical Reminder Reports
implementation of an electronic health record (EHR)		(VistA Demo)
in integrated delivery networks. Topics include the		• Privacy and Security in the
system development life cycle, analysis of existing		US
systems, required resources, and common resource		• Meaningful Use and
constraints. Upon completion, students should be		Implementation
able to understand system development life cycles,		
analyze design and engineering, and make		
recommendations to improve efficiency of		
operations.		
HIT 227 Informatics Project Management		
This course covers the required skills needed for		
implementing healthcare IT applications, with		
emphasis on electronic health records (EHR). Topics		
include leadership development skills,		
interdisciplinary collaboration, organizational		
change management, project management software,		
and the study of communication skills required		
across healthcare disciplines. Upon completion,		
students should be able to effectively collaborate and		
communicate with healthcare disciplines to		
implement informatics projects within the healthcare		
setting.		

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HIT 216 Quality Management	Comp 12 - Quality Improvement	Introduction to Quality
This course introduces principles of quality	Introduces the concepts of health IT and	Improvement and Health
assessment and improvement, and utilization, risk,	practice workflow redesign as	Information Technology
and case management, in healthcare. Topics include	instruments of quality improvement.	• Principles of Quality and
Continuous Quality Improvement, and case	Addresses establishing a culture that	Safety for HIT
management processes, data analysis/reporting	supports increased quality and safety.	• Introduction to Reliability
techniques, credentialing, regulatory quality	Discusses approaches to assessing patient	• Reliability and Culture of
monitoring requirements, and outcome measures and	safety issues and implementing quality	Safety
monitoring. Upon completion,	management and reporting through	• Decision Support for
students should be able to abstract, analyze, and	electronic systems.	Ouality Improvement
report		Workflow Design
clinical data for facility-wide quality management/		HIT Design to Support
performance improvement programs and monitor		Teamwork and
compliance measures.		Communication
		• HIT and Infecting a Patient
HIT 227 Informatics Project Management		Safety Culture
This course covers the required skills needed for		HIT Implementation
implementing healthcare IT applications, with		Planning for Quality and
emphasis on electronic health records (EHR). Topics		Safety
include leadership development skills,		Massuring Quality
interdisciplinary collaboration, organizational		 Measuring Quanty Data Quality Improvement
change management, project management software,		Data Quality Improvement
and the study of communication skills required		• Learning from Mistakes:
across healthcare disciplines. Upon completion,		Error Reporting and
students should be able to effectively collaborate and		Analysis and HIT
communicate with healthcare disciplines to		
implement informatics projects within the healthcare		
setting.		
10		

HIT 218 Management Principles in HIT	Comp 15 - Usability and Human	• People and Technology.
This course covers organizational management	Factors	Studies of Technology
concepts as applied to healthcare settings. Topics	Discussion of rapid prototyping, user-	• Requirements Engineering
include roles/functions of teams/committees,	centered design and evaluation, usability;	Cognition and Human
leadership, communication and interpersonal skills,	understanding effects of new technology	Performance
designing and implementing orientation/training	and workflow on downstream processes;	Human Factors and
programs, monitoring workflow, performance	facilitation of a unit-wide focus group or	Healthcare
standards, revenue cycles, and organizational	simulation.	• Usability evaluation
resources. Upon completion, students should be able		methods
to apply management, leadership, and supervisory		• Electronic Health Records
concepts to various nearlineare settings.		and Usability
HIT 225 Healthcare Informatics This course covers data analysis to support decision making, patient care, and regulatory compliance. Topics include clinical terminology and vocabulary systems, data capture methodology, data presentation and reporting, and initiatives to improve the quality of patient care. Upon completion, students should be able to identify data elements and sets, analyze capture methodology in healthcare settings, analyze compliance issues and make improvement recommendations.		 Clinical Decision Support and Usability Approaches to Design Ubiquitous Computing Designing for Safety Designing for Safety Information Visualization
HIT 122 Professional Practice Experience I		
This course provides supervised clinical experience		
in healthcare settings. Emphasis is placed on		
practical application of curriculum concepts to the		
healthcare setting. Upon completion, students should		

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be able to apply health information theory to		
healthcare facility practices.		
HIT 124 Professional Practice Experience II		
This course provides supervised clinical experience		
in healthcare settings. Emphasis is placed on		
practical application of curriculum concepts to the		
healthcare setting. Upon completion, students should		
be able to apply health information theory to		
healthcare facility practices.		
HIT 222 Professional Practice Experience III		
This course provides supervised clinical experience		
in healthcare settings. Emphasis is placed on		
practical application of curriculum concepts to the		
healthcare setting. Upon completion, students should		
be able to apply health information theory to		
healthcare facility practices.		
HIT 218 Management Principles in HIT	Comp 16 - Professionalism/Customer	Customer Service in
This course covers organizational management	Service in the Health Environment	Healthcare IT
concepts as applied to healthcare settings. Topics	Development of skills necessary to	• Professional Behavior in
include roles/functions of teams/committees,	communicate effectively across the full	the Healthcare
leadership, communication and interpersonal skills,	range of roles that will be encountered in	Environment
designing and implementing orientation/training	healthcare and public health settings.	• Overview of
programs, monitoring workflow, performance		Communication Relevant
standards, revenue cycles, and organizational		to Health IT
resources. Upon completion, students should be able		• Key Elements of Effective
to apply management, leadership,		Communication
and supervisory concepts to various healthcare		• Regulatory Issues: HIPAA
settings.		and Standard Precautions

HIT 122 Professional Practice Experience I This course provides supervised clinical experience in healthcare settings. Emphasis is placed on practical application of curriculum concepts to the healthcare setting. Upon completion, students should be able to apply health information theory to healthcare facility practices. HIT 124 Professional Practice Experience II This course provides supervised clinical experience in healthcare settings. Emphasis is placed on practical application of curriculum concepts to the healthcare setting. Upon completion, students should be able to apply health information theory to healthcare facility practices. HIT 222 Professional Practice Experience III This course provides supervised clinical experience in healthcare facility practices. HIT 222 Professional Practice Experience III This course provides supervised clinical experience in healthcare settings. Emphasis is placed on practical application of curriculum concepts to the healthcare setting. Upon completion, students should be able to apply health information theory to healthcare setting. Upon completion, students should be able to apply health information theory to healthcare setting. Upon completion, students should be able to apply health information theory to healthcare facility practices.		 Team and Small Group Communication Conflict Resolution Personal Communications and Professionalism
HIT 218 Management Principles in HIT This course covers organizational management	Comp 17 - Working in Teams An experiential course that helps trainees	• Health IT Teams: Examples and
concepts as applied to healthcare settings. Topics	become "team players" by understanding	Characteristics
include roles/functions of teams/committees,	their roles, the importance of	• Forming and Developing a
leadership, communication and interpersonal skills,	communication, and group cohesion.	Team for HIT

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HIT Curriculum Course Descriptions and ONC HIT Professional Exam Competency Exam Blueprints (Practice Workflow Role)			
designing and implementing orientation/training programs, monitoring workflow, performance standards, revenue cycles, and organizational resources. Upon completion, students should be able to apply management, leadership, and supervisory concepts to various healthcare	 Initial Tools for Teaming: Ground Rules & Action Plans for HIT Teams Team Strategies and Tools to Enhance Performance and Patient Safety: Team Strategies 		
HIT 216 Quality Management This course introduces principles of quality assessment and improvement, and utilization, risk, and case management, in healthcare. Topics include Continuous Quality Improvement, and case management processes, data analysis/reporting techniques, credentialing, regulatory quality monitoring requirements, and outcome measures and	 Leveraging Integration Techniques: Power of HIT Team Dynamics Articulating Feedback and Feedforward: Tracking Success and Change Leadership: All Members as Leaders—Leaderful Teams 		
monitoring. Upon completion, students should be able to abstract, analyze, and report clinical data for facility-wide quality management/performance improvement programs and monitor compliance measures	 Sharing Resources and Information: Tools to Optimize Performance of HIT Teams Positioning for High Performance Teaming: 		
HIT 122 Professional Practice Experience I This course provides supervised clinical experience in healthcare settings. Emphasis is placed on practical application of curriculum concepts to the healthcare setting. Upon completion, students should be able to apply health information theory to	 Challenges and Opportunities in the HIT Environment Barriers to Success: Reading Early Warning Signs of HIT Team Failure Life Cycle of HIT Teams: 		

healthcare facility practices.	Reforming and
HIT 124 Professional Practice Experience II	Repositioning Techniques
This course provides supervised clinical experience	
in healthcare settings. Emphasis is placed on	
practical application of curriculum concepts to the	
healthcare setting. Upon completion, students should	
be able to apply health information theory to	
healthcare facility practices.	
HIT 222 Professional Practice Experience III	
This course provides supervised clinical experience	
in healthcare settings. Emphasis is placed on	
practical application of curriculum concepts to the	
healthcare setting. Upon completion, students should	
be able to apply health information theory to	
healthcare facility practices.	

HIT 225 Healthcare Informatics	Comp 19 - Introduction to Project	• An Overview of Health IT
 This course covers data analysis to support decision making, patient care, and regulatory compliance. Topics include clinical terminology and vocabulary systems, data capture methodology, data presentation and reporting, and initiatives to improve the quality of patient care. Upon completion, students should be able to identify data elements and sets, analyze capture methodology in healthcare settings, analyze compliance issues and make improvement recommendations. HIT 227 Informatics Project Management This course covers the required skills needed for implementing healthcare IT applications, with emphasis on electronic health records (EHR). Topics include leadership development skills, interdisciplinary collaboration, organizational change management, project management software, and the study of communication skills required across healthcare disciplines. Upon completion, students should be able to effectively collaborate and communicate with healthcare disciplines to implement informatics projects within the healthcare setting. 	An understanding of project management tools and techniques that results in the ability to create and follow a project management plan	 An Overview of Health II Projects Project Life Cycles Project Selection and Initiation Project Planning Overview Managing Project Scope Managing Project Time, Cost, and Procurements Managing Project Risk Team Management and Communications Project Monitoring and Control Quality Management Project Closure and Transition