



# Catalog: HIT Modules for Infusion into Existing Nursing, Allied Health, and IT Programs

Led by Bellevue College, the Health eWorkforce Consortium was formed to elevate Health Information Technology workforce development locally and nationally and provide career paths into this promising field for veterans and others.

The nine-college consortium includes Bellevue College, Bellingham Technical College, Clark College, Clover Park Technical College, Northern Virginia Community College, Pierce College, Renton Technical College, Spokane Community College, and Whatcom Community College. The Health Information and Management Systems Society (HIMSS) is also a primary partner.



# Health Information Technology Instructional Modules for Infusion into Existing Nursing, Allied Health, and IT Programs

Nursing and Allied Health faculty are under pressure to equip their students with the health IT knowledge and skills they need to be employment-ready for today's healthcare organizations. IT Faculty are looking for ways to expand employment opportunities for IT students. Health IT is a promising and growing sector for students to explore. To address these needs, the Health eWorkforce Consortium colleges have developed/assembled health IT-related instructional resources for incorporation into existing Nursing, Allied Health, and IT programs. Overviews of these materials are below.

Types of instructional resources include:

- Recommended textbooks, articles, websites, and videos
- PowerPoint Lecture slides
- Learning activities
- Discussion questions
- Assessment questions
- Case studies

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# Health Information Technology Materials for Infusion into Nursing Programs

The majority of the materials in this collection are designed for incorporation into 2-year Nursing programs (AAS degree, LPN-to-RN degree, AS/ADN degree), with the exception of one 3-credit Health IT for Nursing course specifically designed for a 4-year BAS Nursing programs.

## HIT Modules: Informatics for Nurses (part of BAS Nursing Program)

College: Bellevue College

### Topics:

- Introduction to information literacy for the nurse
- Introduction to nursing informatics basics
- Types of and use of patient care technologies in the health care setting
- Security, Privacy, Confidentiality and Ethics
- Advocacy, social and public policy issues in HIT
- Using HIT to promote patient safety and improve patient outcomes
- Role of HIT in quality improvement, data and outcome analysis
- Mobile Health Technologies, TeleHealth and Patient as healthcare technology consumer
- The Future of HIT and Nursing

These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2563>

## HIT Modules: Infusion into Nursing Skills Lab 100Y

College: Bellevue College

### Topics:

- Documentation
- Introduction to Informatics
- Electronic Medical Record
- Other Health IT
- Safety and Health IT

These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2563>

## HIT Modules: Health IT Infusion into Nursing Skills Lab 101Y

College: Bellevue College

### Topics:

- The “culture of safety” and change in healthcare
- Medication errors: types and occurrences
- The role of technology in patient safety
- The nurses role in the “culture of safety”

These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2563>

## HIT Modules: Health IT Infusion into Nursing Skills Lab 102Y

College: Bellevue College

### Topics:

- Patient Privacy and Confidentiality
- Data Security
- Patient’s Rights and Health Information Technology.
- Nursing Ethics and the Use of Health Information Technology

**HIT Modules: Health IT Infusion into Nursing Skills Lab 102Y****College: Bellevue College****The Role of the Nurse in Privacy, Confidentiality and Security of Patient Information***These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2563>***HIT Modules: Health IT Infusion into Nursing Skills Lab 220Y****College: Bellevue College****Topics:**

Disruptive Technologies in Health Care

What Is Mobile Health Technology and Telehealth?

The Digital Divide

Technology for Providers

Technology for Patients and Healthcare Consumers

The Nurse's Role in Mobile Health Technology

The Future of Mobile Health Technology and Telehealth

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2563>***HIT Modules: Health IT Infusion into Nursing Skills Lab 222Y****College: Bellevue College****Topics:**

Review of Health IT and changes in healthcare

The role of the informatics nurse

Health IT and healthcare quality improvement

Clinical Information systems, data collection and clinical outcomes

Health IT and evidenced based practice

Health IT and patient centered care

The future of Health IT

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2563>***HIT Modules: Health IT Infusion into Family-Centered Nursing NURS 122****College: Clark College****Topics:**

Nursing informatics defined

Accessing and basic documentation in the EMR

What is Pyxis

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2625>***HIT Modules: Health IT Infusion into Foundations of Clinical Nursing NURS 111****College: Clark College****Topics:**

Introduction to patient medical records (Electronic and Paper)

Introduction to use of a database

Use of the Electronic Medical Record

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2625>*

**HIT Modules: Health IT Infusion into Foundations of Nursing Concepts NURS 110****College: Clark College****Topics:**

Health Literacy

Describe the role of the nursing student to maintain security of personal health information.

Utilize evidence based databases for online research

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2625>***HIT Modules: Health IT Infusion into Medical-Surgical Clinical Nursing I NURS 136****College: Clark College****Topics:**

Access multiple electronic medical records.

Describe how process and technology can enhance patient safety.

Give examples of technologies and equipment to promote medication safety, patient safety and error prevention.

Document nursing assessments, vital signs and medication administration in the clinical setting and /or the lab setting.

Utilize Pyxis Med station, the electronic MAR, Bar Coding and IV Pumps safely and accurately .

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2625>***HIT Modules: Health IT Infusion into Medical-Surgical Clinical Nursing II NURS 242****College: Clark College****Topics:**

Computerized provider order entry

Clinical decision support systems

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2625>***HIT Modules: Health IT Infusion into Medical-Surgical Clinical Nursing III NURS 252****College: Clark College****Topics:**

Interdisciplinary Communication via EMR

Patient Teaching Resources

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2625>***HIT Modules: Health IT Infusion into Professional Leadership Transition to Practice NURS 261****College: Clark College****Topics:**

Recognizing Informatics Competencies

Utilization of electronic systems at the RN level

Role of Informatics in quality improvement processes

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2625>***HIT Modules: Health IT Infusion into Nursing AAS Program****College: Northern Virginia Community College (NOVA)****Topics:**

HIPAA and Patient Privacy, Security and Confidentiality

Maintaining Patient Privacy in an Electronic Environment

Challenges to Patient Privacy and Data Security Health IT

**HIT Modules: Health IT Infusion into Nursing AAS Program****College: Northern Virginia Community College (NOVA)**

The Definition of Healthcare Information Technology

The Evolution of Healthcare Information Technology and the supporting roles of computers, the Internet, and the World Wide Web

OpenEMR functions

Search and find patient data

Add a New Patient to the Open EMR

The “culture of safety” and change in healthcare

EMRs and EHRs

Comparing Clinical Decision Support Systems to Administrative information Systems

The HITECH Act

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2507>***HIT Modules: Health IT Infusion into Nursing ADN Degree****College: Whatcom Community College****Topics:**

The Similarities and Differences Between EHRs and EMRs and Their Roles in Healthcare

How CPOEs, Clinical Decision-Support Systems, and other HIT decision-support systems improve patient care

The Purpose of HIEs and How They Are Improving Healthcare

How the Patient Protection and Affordable Care Act (PPACA) Affects Healthcare

How the HITECH Act Promotes Patient Privacy and Data Security in HIT

Mobile Computing and Other Trends That Can Benefit Patient Care

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/3766>***HIT Modules: Health IT Infusion into LPN-RN Nursing Program****College: Bellingham Technical College****Topics:**

HIPAA and Patient Privacy, Security and Confidentiality

Maintaining Patient Privacy in an Electronic Environment

Challenges to Patient Privacy and Data Security

Computer Technology

The Definition of Healthcare Information Technology

The Evolution of Healthcare Information Technology

EMRs, EHRs, and PHI

How Nursing Informatics Improves Evidence-based Patient Care

Comparing Clinical Decision Support Systems to Administrative Information Systems

The HITECH Act

Mobile Computing and Other Trends That Can Benefit Patient Care

PHI and Research

Clinical Decision Support Systems and Evidence-based Practice

The HITECH Act and Evolving Trends in HIT

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2564>*

# Health IT Modules for Infusion into Medical Assisting Programs

This collection of materials is designed for incorporation into Medical Assisting Associate's degree or certificate programs.

## HIT Modules: Certified Clinical Medical Assistant Program

College: Northern Virginia Community College (NOVA)

### Topics:

Introduction to Electronic Health Records

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2626>*

## HIT Modules: Electronic Health Records course

College: Renton Technical College

### Topics:

What is Health Information Management and Technology?

Hardware and Software

Types of Networks

Data Entry

Commonly Used HIT and HIPAA Acronyms

What is Health Information Management and Technology?

Hardware and Software

Types of Networks

Data Entry

Commonly Used HIT and HIPAA Acronyms

Comparison of the attributes and limitations of EMRs, EHRs, and the paper record.

HL7 EHR functions: direct care functions, supportive functions, information infrastructure functions

Standards for certification of EHR technology

EHR Acceptance

Barriers to Adoption

EHR effect on patient care safety, patient outcomes, and efficiency

External influences.

A vision for 21st century care and wellness

Data collection

Health information standards

Interoperability

EHR Messaging Standards

Digital Imaging Communications in Medicine (DICOM)

Health Level 7 (HL7)

Classifications, terminologies and vocabularies

Health Information Standards

HIPAA Standard Code Sets

International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)

National Drug Codes (NDC)

**HIT Modules: Electronic Health Records course****College: Renton Technical College**

Healthcare Common Procedure Coding System (HCPCS)

ANA Recommended Standardized Nursing Terminologies

Definition of CPOE

Purpose of CPOE

CPOE Attributes

Functions of CPOE

CPOE and Clinical Decision Support Systems (CDSS)

CPOE Users

CPOE Uses

EHR terminology changes over time

Lessons learned from the early systems

Barriers to widespread use

The Computer-Based Patient Record (1991)

Electronic Health Record System Capabilities (2003)

Meaningful Use (2010)

Health data interchange standards

Privacy, security, and confidentiality

Health Care Quality and HIT

Relationship of QI and HIT

Certification of commercial Electronic Health Records (EHR)

CCHIT

Meaningful use

Safety/FDA oversight/Joint Commission/National Patient Safety Goals.

These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2356>

**HIT Modules: Introduction to Health IT****College: Renton Technical College****Topics:**

Introduction to Information and Computer Science

Internet and the World Wide Web

Security/Privacy with the Internet

Computer Software

Networks

OpenEMR on EMR-STAR Program (Working with an EHR)

These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2356>

**HIT Modules: Health IT Infusion into Medical Assisting 123****College: Whatcom Community College****Topics:**

EMRs, EHRs, and Meaningful Use

The Use of EHRs in Inpatient and Outpatient Applications

Usability and Solutions to HIT Problems

The Importance of Privacy and Security in HIT Systems

Data Standards and Interoperability

These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/3765>



**HIT Modules: Health IT Infusion into Medical Assisting 108****College: Whatcom Community College****Topics:**

HIPAA and Safeguards for Patient Data

The role of accreditation, regulatory bodies, and professional organizations in health care promoting standardized care and safety for patients.

Review of the Affordable Care Act, medical malpractice and professional standards of care, tort reform and fraud and abuse

The use of health record as the legal and communication document, quality clinical documentation, compliance with privacy and reimbursement laws and regulations

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/3765>***HIT Modules: Medical Assisting 142****College: Whatcom Community College****Topics:**

Administrative, Physical, and Technical Safeguards

Patient Centered Care

Measuring Effectiveness of Patient Centered Approaches

Exploring an Example of HIT

Error in Healthcare– Effective HIT

Characteristics of Effective HIT

Types of Information Exchange

Meaningful Use and HIT Information Exchange

Types of Standards

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/3765>*

# Health IT Modules for Infusion into Medical Office Assistant Programs

This collection of materials is designed for infusion into a Medical Office Assistant certificate program.

**HIT Modules: 5-credit course: Electronic Health Records (BTECH 257)**

**College: Pierce College**

## **Topics:**

### Electronic Health and Medical Records Overview

- Definitions and applications of EHRs and EMRs
- General features of EHRs
- Issues surrounding the adoption of EHRs
- Impact of EHRs on healthcare organizations and providers, and on patient care
- Meaningful use and other government regulations
- Health Information Exchange (HIE) and the Nationwide Health Information Network (NHIN) initiatives
- Trends in EHR applications

### Healthcare Delivery Organizations

- The evolution of health services in the US
- US healthcare system foundations and values
- Modern US healthcare delivery systems
- Inpatient facilities and services
- Outpatient and primary care services
- Ambulatory centers or clinics
- Physician practices
- Long term care services
- Public health agencies and programs
- Pharmacies
- Community healthcare organizations
- Managed care and integrated organizations
- Patient-centered medical home
- Health services for special populations
- The future of health services delivery
- Legal issues affecting healthcare practices
- Healthcare Reform in the US

## HIT Modules: 5-credit course: Electronic Health Records (BTECH 257)

College: Pierce College

### Government Regulation & Certification

- Healthcare regulatory systems and organizations
- Overview of federal and state laws, regulations and accreditations that apply to the healthcare system and organizations, and their implication on health IT
- General business, technology and regulatory trends in the healthcare industry
- The role of the Joint Commission (JCAHO) in the accreditation and certification of healthcare organizations and programs in the US
- Other regulatory bodies - ABMS, AMA, URAC
- Safety in medicine

### Health IT Applications

- Overview of health IT
- History and evolution of health IT
- Impact of health IT on healthcare processes
- General issues and considerations of health IT systems implementations
- Trends in health IT

### Clinical & Financial Applications

- Clinical information systems
- Clinical applications of HIT, challenges and benefits
- Trends in clinical applications
- Introduction to administrative, billing, and financial systems
- Integration with clinical information systems
- Integration with the overall healthcare information system
- Flow of data throughout the healthcare organization and system
- Trends in adoption and integration of administrative and financial applications

### Privacy & Security of Health Records

- HIPAA Transactions and Code Sets
- HIPAA Uniform Identifiers
- HIPAA Privacy Rule
- HIPAA Privacy Rule
- Security Standards
- Administrative Safeguards
- Physical Safeguards
- Technical Safeguards
- Breach Notification Requirements
- Electronic Health Records

## HIT Modules: 5-credit course: Electronic Health Records (BTECH 257)

College: Pierce College

### Health Data Exchange & Standards

- Fundamentals of healthcare standards
- Patient records
- Privacy and security
- Decision support and data mining
- The National Health Information Exchange
- The federal Standards and Infrastructure Framework
- ICD (International Classification of Diseases) -10/5010 codes
- Health Information Exchange systems (HIEs) and Regional Health Information Organizations (RHIOs)

### Consumer Health Informatics

- Introduction to consumer health informatics
- Impact of digital technologies and the internet on communication with patients
- Personal health records
- Trends in consumer health informatics
- The patient's role and technology applications in patient-centered care

### Healthcare Payment Systems

- Distinction between publically-funded and privatized healthcare
- Single payer systems versus multiple payer systems
- Insurance and third party payers
- Medicare and Medicaid
- Organization and structure of network-based managed care health insurance programs
- Health maintenance organizations (HMOs)
- Preferred provider organizations (PPOs)
- Independent practice associations (IPAs)
- Billing and reimbursement in medicine
- Overview of coding concepts
- The EMTALA Act and its effect on medicine
- Capitation and managed care
- Controlling costs in medicine
- The cost of uninsured care
- Trends in healthcare financing

**HIT Modules: 5-credit course: Electronic Health Records (BTECH 257)**

**College: Pierce College**

**Role of Healthcare Professionals**

- Healthcare Professionals
- The healthcare organization and structure
- Functions of and inter-relationship between healthcare units and departments
- Physicians
- Nurses
- Physician Assistants, Pharmacy, Therapist, Technicians
- Paramedics, Dental, Mental Health, Care Coordination
- Changing roles of healthcare professionals

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2509>*

**HIT Modules: 5-credit Medical Terminology Course**

**College: Pierce College**

**Topics:**

Word Building Rules and Prefixes/Suffixes

Whole Body Terminology

The Integumentary System

The Musculoskeletal System

The Nervous System

The Blood and Lymphatic System

The Cardiovascular System

The Respiratory System

The Digestive System

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2509>*

# Health IT Modules for Infusion into Pharmacy Technician Programs

This collection of materials is designed for infusion into a Pharmacy Technician certificate or degree program.

## HIT Modules: Infusion into Introduction to Pharmacy - Phar 105

College: Clark College

### Topics:

E-Prescribing Laws

Controlled substances

Medication errors

Website reliability

These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2624>

## HIT Modules: Infusion into Pharmacy Calculations – Phar 110

College: Clark College

### Topics:

Pharmacy calculation of weight-based dosing

Computer tools

Issues to be aware of

These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2624>

## HIT Modules: Infusion into Pharmacy Compounding – Phar 127

College: Clark College

### Topics:

Baxa TPN Compounder

Interfaces

These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2624>

## HIT Modules: Infusion into Pharmacy Law – Phar 123

College: Clark College

### Topics:

Use of computer technology for e-prescribing

These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2624>

## HIT Modules: Infusion into Pharmacy Practice & Technology – Phar 114 and 119

College: Clark College

### Topics:

Basic Computing

Purchasing in the Pharmacy

Inventory Control in the Pharmacy

Utilizing computer modules for purchasing and inventory control

History of CPOE

History of e-Prescribing

Purpose, attributes and functions of CPOE

How CPOE is being used in healthcare

Hospital Information System

**HIT Modules: Infusion into Pharmacy Practice & Technology – Phar 114 and 119****College: Clark College**

Pharmacy Information System
Interfaces
Medication Dispensing Systems
Eligibility Checking
Claims Clearinghouses
Pricing Updates

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2624>*

**HIT Modules: Infusion into Pharmacy Compounding – Phar 108****[Note: Most of this content is a duplicate of the Clark College Pharmacy content.]****College: Renton Technical College****Topics:**

Baxa TPN Compounder
Interfaces
Hospital Information System
Pharmacy Information System
Interfaces
Medication Dispensing Systems

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/3772>*

**HIT Modules: Infusion into Pharmacy Business Office Machines – Phar 133****[Note: Most of this content is a duplicate of the Clark College Pharmacy content.]****College: Renton Technical College****Topics:**

Basic Computing
Purchasing in the Pharmacy
Inventory Control in the Pharmacy
Utilizing computer modules for purchasing and inventory control
Purpose, attributes and functions of CPOE.
How CPOE is being used in healthcare.

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/3772>*

**HIT Modules: Infusion into Pharmacy Law – Phar 131****[Note: Most of this content is a duplicate of the Clark College Pharmacy content.]****College: Renton Technical College****Topics:**

Use of computer technology for e-prescribing.
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*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/3772>*

**HIT Modules: Infusion into Intro to Pharmacy – Phar 105****[Note: Most of this content is a duplicate of the Clark College Pharmacy content.]****College: Renton Technical College****Topics:**

E-Prescribing Laws
Controlled substances
Medication errors

**HIT Modules: Infusion into Intro to Pharmacy – Phar 105**

[Note: Most of this content is a duplicate of the Clark College Pharmacy content.]

College: Renton Technical College

Website reliability

Eligibility Checking

Claims Clearinghouses

Pricing Updates

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/3772>*



# Health IT Modules for Infusion into Radiologic Technician Programs

This collection of materials is designed for infusion into a Radiologic Technician certificate or degree program.

**HIT Modules: Infusion into Introduction to Radiographic Techniques – RATEC 105**  
**College: Bellevue College**

**Topics:**

Introduction  
Terminology  
Workflow Overview  
Systems Interface  
Standard Process

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/3829>*

**HIT Modules: Infusion into Introduction to Radiographic Techniques – RATEC 105**  
**College: Bellevue College**

**Topics:**

PACS System components, functions and quality assurance  
HIS and RIS systems  
Teleradiology

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/3829>*

**HIT Modules: Infusion into Medical Informatics – RT 108**  
**College: Bellingham Technical College**

**Topics:**

Review of HIM Concepts  
HIT and Patient Care  
Security Issues That Affect the Radiologic Technologist  
Review of HIPAA and Other Regulations  
The Impact of Emerging Technologies

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2567>*

**HIT Modules: Infusion into Registry Review & Employment Readiness into Medical Informatics – RT 123**  
**College: Bellingham Technical College**

**Topics:**

Overview of Medical Informatics  
Patient Safety and Consumer Health  
Clinical Practice Guidelines, Disease Registries, and Evidence Based Medicine

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2567>*

# Health IT Modules for Infusion into Respiratory Therapy Programs

This collection of materials is designed for infusion into a Respiratory Therapy degree program.

**HIT Modules: Infusion into Fundamental Clinical Procedures - RTH 151 and Onsite Training in Respiratory Care I - RTH 196**  
**College: NOVA**

**Topics:**

HIPAA and Patient Privacy, Security and Confidentiality
Maintaining Patient Privacy in an Electronic Environment
Challenges to Patient Privacy and Data Security Health IT
OpenEMR functions
Search and find patient data
Add a New Patient to the Open EMR
Adding Vitals and Documentation
Clinical Data Abstraction
S.O.A.P Note Documentation
Identifying critical situations

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2508>*

# Health IT Modules for Infusion into Computer Networking Programs

This collection of materials is designed for infusion into an IT Networking certificate or degree program.

## HIT Modules: Infusion into IT Ethics and Careers – IT 102

College: Bellingham Technical College

### Topics:

Healthcare System
HITECH Act
Health IT Jobs
Health Information Exchange
HIPAA
Electronic Medical Records
Meaningful Use

These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2354>

## HIT Modules: Infusion into Communications and Human Relations in the Workplace – CNT271

College: Renton Technical College

### Topics:

Define Customers and Customer Service
Define a service culture
Identify healthcare IT customers
Customer Service in Healthcare IT, Measurement Challenges in Customer Service
EHR customer service implementation success factors
Ability to balance customer demands
Contextual norms and what they mean for you
Professional role and organizational setting
Define Professional deportment and behavior
Define Unprofessional deportment and behavior
Understanding the department of healthcare professionals
Professional appearance (Hair, clothing, makeup, scented hygiene and perfumes)
Information technology staff responsibilities
Overview of communication relevant to Health IT
Effective and Ineffective communication
Describe professional roles in healthcare
Professional communication guidelines: face-to-face, electronic, phone
Disability etiquette
Business communications vs. Personal communication during work hours
Internet use, Social media, email, Text messaging and communication devices
Special concerns in healthcare

These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2568>

## HIT Modules: Infusion into Network Security– CNT 264

College: Renton Technical College

### Topics:

The definition and purpose of databases
Relational databases

**HIT Modules: Infusion into Network Security– CNT 264****College: Renton Technical College**

The SQL querying language
Data operations for databases
Designing a database
Examples of querying statements for databases
Examples of database tables used in a healthcare application
Regulatory issues: HIPAA and standard precautions
Infection control and standard precautions
Important components of HIPAA and communication
Guidelines for communication
Data and hardware security concerns and false information
Common threats to security- Trojan horse, Viruses, Macro viruses, Personal information attacks and Worms
How do hackers operate
Network security- Authentication, Authorization and Object permissions
Mitigating security issues and policy
Hardware and software firewalls- Windows Firewall
Anti-virus (AV) software, Intrusion Protection Systems (IPS) and Data encryption
Additional security precautions- Password policies and Physical security of assets
Wireless networking security and device security
Health care applications and security- Security of health care data
Electronic Health Record (EHR) systems and security of record data
Federal regulations- HIPAA, privacy and confidentiality
Security Procedures and Standards
Privacy, Confidentiality, and Security Issues and Standards

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2568>*

**HIT Modules: Infusion into Wireless Networking Fundamentals – CNT 257****College: Renton Technical College****Topics:**

History, examples and benefits of mobile devices in healthcare
History and uses of mobile devices in medicine
History, examples and benefits of mobile devices in healthcare
History and uses of mobile devices in medicine
Telemedicine definitions
Differences between telemedicine and telehealth
History of telemedicine in the early and late 20th century
Telemedicine reports to Congress
Current and future developments in telemedicine

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/2568>*

# Health IT Modules for Infusion into Computer Information Systems-Technical Support Programs

This collection of materials is designed for infusion into a CIS- Technical Support certificate or degree program.

**HIT Modules: Non-credit course (33 hours): Topics in Healthcare Information Security**  
**College: Whatcom Community College**

**Topics:**

Privacy and Security laws and regulations

Potential points of vulnerability in a healthcare IT system – covers the interfaces between systems

Interoperability Standards and Certification

Impact of end users on HIT security, particularly in applications

Access control and its relation to HIPAA

Security related specifically to patient data (influence of HIPAA and other regulations)

Workflows and their challenges to security

*These materials are located on Skills Commons: <http://www.skillscommons.org/handle/taaccct/3767>*

Led by Bellevue College, the Health eWorkforce Consortium was formed to elevate Health Information Technology workforce development locally and nationally and provide career paths into this promising field for veterans and others. The nine-college consortium includes Bellevue College, Bellingham Technical College, Clark College, Clover Park Technical College, Northern Virginia Community College, Pierce College, Renton Technical College, Spokane Community College, and Whatcom Community College. The Health Information and Management Systems Society (HIMSS) is also a primary partner.

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