HIMSS | CENTER FOR PROFESSIONAL EXCELLENCE

PROFESSIONAL DEVELOPMENT

COURSE CATALOG

himss.org/what-we-do-professional-development

PROFESSIONAL DEVELOPMENT

COURSE CATALOG

Table of Contents

Introduction

Explore our catalog of courses designed to enhance your knowledge and advance your ability to understand healthcare, helping yourself and others thrive.

Obtain detailed information about each course including course description, learning objectives, delivery format, seat hours, and continuing education hours. Additionally, access the convenient links to sneak peek videos and course pages for additional information.

Further questions?

Please reach out to us at:
HIMSSprofessionaldevelopment@himss.org

Accelerating Digital Health Transformation Globally

Course Description

Digital health transformation is the ongoing journey that requires putting the consumer at the center of health care, whereby digital tools and technologies enable connectivity, inform consumer-led decisions, and mobilize data to create real-world evidence of outcomes of care processes, the use of products and therapies, and the conditions that contribute to best outcomes for citizens across the journey of care. HIMSS is well-positioned to lead digital health transformation. Key assets such as the global reach of the HIMSS network and the well-established suite of maturity models which have been successfully introduced into the market to offer strategic pathways that advance key dimensions of digital health, such as infrastructure, analytics, coordination of care, clinical documentation, and supply chain infrastructure.

This course offers a series of ten (10) learning modules to build the knowledge and leadership capacity required to advance and accelerate digital health transformation globally. Upon successful completion of each module and the course, learners receive a certificate of completion.

LEARNING OBJECTIVES

- Build understanding and knowledge of the key drivers of digital health transformation at an introductory level.
- Review the HIMSS Digital Health Ecosystem Model.
- Understand the key conditions, digital infrastructure, tools, and technologies focused on supporting, strengthening, and sustaining health and wellness.
- Explore and critically examine the governance and leadership strategies required to advance and accelerate digital health transformation.
- Examine the key dimensions of interoperability and strategic pathways to advance the interoperability of digital infrastructure to provide a secure foundation for digital health ecosystems.
- Identify and examine analytic approaches, tools, and technologies to personalize health.
- Describe measurement tools and frameworks to document the value and impact of digital health ecosystem maturity across global health systems.
- Examine the critical role of clinician leadership to advance and accelerate digital health transformation.
- Build knowledge and expertise in digital health ecosystem workforce capacity and sustainability supporting digital health transformation.

COURSE FORMAT

- Self-directed

APPROXIMATE SEAT HOURS

- Ten (10)

CE CREDITS

- Ten (10)

Click here to view a sneak peek of this course.

Visit our course page for more information and to purchase.

Assessing and Implementing AI and ML in Healthcare

Course Description

Discover the power of AI and machine learning in healthcare with the HIMSS AI/ML course! This self-paced, on-demand course explains how AI/ML is changing healthcare, from diagnostics to patient monitoring. Learn about personalized medicine, natural language processing, and more. Gain practical knowledge and tools to use AI/ML effectively in healthcare settings. In this rapidly evolving field, learners will attain necessary information regarding artificial intelligence and machine learning to enhance current awareness while realistically looking at the challenges and improvements this technology offers for the health ecosystem and improving patient care and outcomes.

Upon successful completion, learners will receive a certificate of completion and are eligible to claim continuing education (CE) hours.

LEARNING OBJECTIVES

- Define foundational concepts about Artificial Intelligence (AI) and Machine Learning (ML).
- Understand the important stakeholders involved in use cases of AI across the health ecosystem.
- Describe the benefits and limitations of AI/ML.
- Recognize the tradeoff of engaging and implementing AI.
- Discover how AIML could help make healthcare clinical and nonclinical decision support more efficient.
- Examine the six stages within the MLOps Life Cycle.
- Explore the major phases of deployment, development, and management or governance.
- Discover technology frameworks as guiding tools for implementation.
- Discover digital health transformation through the HIMSS Adoption Model for Analytics Maturity (AMAM).
- Explore HIMSS Infrastructure Adoption Model (INFRAM).

COURSE FORMAT

- Self-directed

APPROXIMATE SEAT HOURS

- Ten (10)

CE CREDITS

- Ten (10)

Click here to view a sneak peek of this course.

Visit our course page for more information and to purchase.

Data Analytics, Interpretation and Reporting

Course Description

Data analytics is used to create actionable insights that can guide an organization through critical decisions. Properly aligning a business problem with appropriate analytical methods is essential to a successful data analytics project. The purpose of this course is to explore a process for analyzing data, perform exercises for each step of the process, and create actionable insights from data. Learners will practice data analytics using MS Excel to analyze a dataset and develop meaningful directives.

Upon successful completion, learners will receive a certificate of completion and are eligible to claim continuing education (CE) hours.

LEARNING OBJECTIVES

- Identify and interpret data to inform business decisions.
- Perform data preparation procedures.
- Recognize trends, detect outliers, and summarize data sets.
- Validate analytical reports.
- Analyze relationships between variables.
- Develop and test hypotheses using inferential methods.
- Select the appropriate collection methods to obtain data.
- Design data visualization using the most appropriate graphical methods and tools.
- Implement regression analysis and other analytical techniques using analytical software tools such as Microsoft Excel.

COURSE FORMAT

- Self-directed

APPROXIMATE SEAT HOURS

- Ten (10)

CE CREDITS

- Ten (10)

Click here to view a sneak peek of this course.

Visit our course page for more information and to purchase.

HIMSS CPHIMS Review Course

Course Description

The HIMSS CPHIMS Review Course serves as an assessment-based, self-paced, on-demand tool aligned with the competencies of the Certified Professional in Healthcare Information and Management Systems (CPHIMS®) certification program and is complementary to the CPHIMS Review Guide. Presenting content, which has been developed by subject matter experts currently teaching or practicing in the health information and technology field, learners will be guided through nine modules, each aligned with one of the four domains and complementary subdomains (listed as competency areas below). Throughout each module, learners will be presented with knowledge checks as well as a final module assessment.

Upon successful completion, learners will receive a certificate of completion.

LEARNING OBJECTIVES

- Discuss the characteristics and services of different types of healthcare organizations, as well as the interrelationships across them.
- Define the roles and responsibilities of healthcare information and management systems professionals.
- Articulate the opportunities, challenges, and trends of the healthcare environment, while addressing the technological components needed to deliver and support patient care.
- Examine basic clinical and health IT vocabulary, terms,and metrics frequently represented in healthcare informatics.
- Interpret clinical and operational outcomes using various data analytics tools and apply to system functionality to optimize clinical effectiveness and efficiencies.
- Describe the components of the implementation development life cycle in a healthcare setting by identifying those concepts required from initial inception of an idea through implementation and support and maintenance.
- Describe the importance of the many administrative aspects of health information and technology from the perspective of protecting health information to ensuring that the leadership and management functions of the healthcare setting are identified and understood.

COURSE FORMAT

- Self-directed

APPROXIMATE SEAT HOURS

- Eleven (11)

CE CREDITS

- N/A

Click here to view a sneak peek of this course.

Visit our course page for more information and to purchase.

Healthcare IT Foundations

Course Description

Awaken your curiosity or refresh your knowledge about healthcare. This course provides an overview of healthcare, health information technology, and health information management systems. The focus is on the role and responsibilities of entry-level healthcare IT specialists in each phase of the health information management systems lifecycle. The curriculum is intended to align with the Certified Associate in Healthcare Information and Management Systems (CAHIMS®) certification administered by HIMSS. This course is designed for students who have previous experience in IT or healthcare, and it is designed to serve as a pathway into healthcare IT careers. This course offers nine (9) learning units with multiple modules to build knowledge about Healthcare IT. It is in partnership with Carnegie Mellon University and Healthcare Information and Management Systems Society (HIMSS) providing content that provides a broad understanding of healthcare IT for individuals in non-IT related roles in healthcare.

Upon successful completion, learners will receive a certificate of completion and are eligible to claim continuing education (CE) hours.

LEARNING OBJECTIVES

- Aid as one resource used in preparing for the CAHIMS exam.
- Extend the learner's knowledge and understanding of basic foundations of healthcare information management systems and applications within their work environment.
- Support a way for other healthcare disciplines to gain a basic understanding of healthcare information management systems.
- Build a highly desirable background to improve the learner's professional and career development.

COURSE FORMAT

- Self-directed

APPROXIMATE SEAT HOURS

- 12-15 hours per unit

CE CREDITS

- Thirty (30)

Click here to view a sneak peek of this course.

Visit our course page for more information and to purchase.

Fundamentals of Workflow Analysis and Design

Course Description

This course covers the key steps involved in completing a systematic review of healthcare workflows and processes involved in supporting clinical settings. The outcome of these reviews can be used in designing new workflows in conjunction with implementing a new electronic health records system (EHR) or optimizing existing EHR systems.

This course offers four (4) learning modules, a practice scenario, and a final assessment to build knowledge and professional skills to better understand workflow analysis and design.

Upon successful completion, learners will receive a certificate of completion and are eligible to claim continuing education (CE) hours.

LEARNING OBJECTIVES

- Identify the elements involved in providing patient care within a healthcare setting that must be taken into consideration when examining and proposing changes in workflows and processes.
- Create a diagram of a key workflow/process in the healthcare setting that supports workflow analysis and re-design.
- Critically analyze the workflow processes in a specific healthcare setting to determine their effectiveness from the perspective of those being served (i.e., patients), those providing the services (i.e., professional and non-professional staff), and the organization's leadership (i.e., decision-makers).
- Propose ways in which quality improvement methods, tools, and health IT can be applied within a healthcare setting to improve workflow processes.
- Suggest approaches that would ensure the success of workflow re-design from development and presentation of the implementation plan to facilitation of decision-making meetings, implementation of the changes, evaluation of the new processes, sustainability of new workflow processes, and continuous quality improvement efforts.

COURSE FORMAT

- Self-directed

APPROXIMATE SEAT HOURS

- Five (5)

CE CREDITS

- Five (5)

Click here to view a sneak peek of this course.

Visit our course page for more information and to purchase.

Global Conference Session Recordings

Access over 150+ peer-reviewed education sessions from the 2024 HIMSS Global Health Conference and Exhibition. Hundreds of on-demand session recordings from previous conferences are also included. This is content you can view anytime, anywhere. Enter this gateway to knowledge shaping the future of healthcare.

Sessions are aligned to one of nine topics including; business, care, data and information, health equity, organizational governance, process analysis and redesign, public policy, technology, and workforce.

COURSE FORMAT

- Self-directed

APPROXIMATE SEAT HOURS

- .5 to 1.0 hours per session

CE CREDITS

- Varies by credit type
- Potential to earn over 100 CE hours

SESSION TITLE EXAMPLES

- Advancing Social Justice and Equity in Health Technology
- A Genius Way to Work
- Delivering digital solutions in healthcare: A Design Thinking Approach
- Focused Clinical Informatics Teams
- How the Human Genome is Changing Precision Medicine
- Preparing for the (Un)Expected
- Scaling AI Governance Across a Large Healthcare System
- Semantic Interoperability: What, Why, and the Technical Essentials
- The Evolution of Inpatient Telehealth

View our sneak peek videos for a few of these sessions.

- A Genius Way to Work
- Focused Clinical Informatics Teams
- Preparing for the (Un)Expected
- Scaling AI Governance Across a Large Healthcare System

Visit our course page for more information and to purchase