

Health Information Management

Health information supports research, generates billing revenue, and leads to improved patient care. Programs in the department of Health Information Management prepare students for healthcare career opportunities at the nexus of data, processes, technology, and people focused on enhancing patient outcomes and improving healthcare processes.

The Department of Health Information Management is part of the School of Health Professions (<http://healthprofessions.kumc.edu/>) located on the KU Medical Center (<http://www.kumc.edu/>) campus.

The Department of Health Information Management offers both bachelor and master level degree programs and certificates, all are accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM) (<https://www.cahiim.org/>).

- Bachelor of Science in Health Information Management (<https://www.kumc.edu/school-of-health-professions/academics/departments/health-information-management/academics/bachelors-degree.html>)
- Bachelor's – Completion Program (Online RHIT-to-RHIA) ([https://www.kumc.edu/school-of-health-professions/academics/departments/health-information-management/academics/bachelors-degree-completion-program-\(online-rhit-to-rhia\).html](https://www.kumc.edu/school-of-health-professions/academics/departments/health-information-management/academics/bachelors-degree-completion-program-(online-rhit-to-rhia).html)) (Online)
- Bachelor in HIM to MBA Fast Track Program (<https://www.kumc.edu/school-of-health-professions/academics/departments/health-information-management/academics/bs-in-him-to-mba-fast-track-program.html>)
- Minor in Digital Health (<https://www.kumc.edu/school-of-health-professions/academics/departments/health-information-management/academics/minor-in-digital-health.html>) (Online)
- Minor in Health Care Management (<https://www.kumc.edu/school-of-health-professions/academics/departments/health-information-management/academics/minor-in-health-care-management.html>) (Online)**
- Joint BS in HIM/MHSA Bridge Program (<https://www.kumc.edu/school-of-health-professions/academics/departments/health-information-management/academics/joint-bs-in-himmhsa-bridge-program.html>)
- Master of Science in Health Informatics (<https://www.kumc.edu/school-of-health-professions/academics/departments/health-information-management.html>) (Online)
- Graduate Certificate in Health Informatics (<https://www.kumc.edu/school-of-health-professions/academics/departments/health-information-management.html>) (Online)

For information about health information management or health informatics programs at KU, please visit the Department of Health Information Management website (<https://www.kumc.edu/school-of-health-professions/academics/departments/health-information-management.html>). Students interested in entering these programs should contact an advisor as early as possible to ensure prerequisite coursework will be completed. Advising for prospective students is available Monday-Friday by appointment, please contact him@kumc.edu to schedule your appointment today.

** The undergraduate Minor in Health Care Management is not accredited by CAHIIM.

Courses

HEIM 177. First Year Seminar. 3 Credits.

A limited-enrollment, seminar course for first-time freshmen, addressing current issues in health data and information management. Course is designed to meet the critical thinking learning outcome of the KU Core. First-Year Seminar topics are coordinated and approved by the Office of Academic Programs and Experiential Learning. Prerequisite: Open to Freshmen only (less than 30 hours).

HEIM 210. Introduction to Healthcare. 1 Credits.

This course is an introductory overview of the United States healthcare system. Course content emphasizes organizational structures and patient care settings in healthcare, healthcare professionals and their roles, as well as laws and regulations that influence how healthcare is paid for, quality is assessed, and healthcare data is protected. Current events in healthcare are also addressed. Open to all students.

HEIM 230. Medical Terminology. 3 Credits.

A study of the language of medicine including word construction, definitions, medical abbreviations, and use of terms related to various areas of medical science and health professions. Course requires students to be able to break down medical terms, understand their meanings and pronounce them correctly. This online course is designed for students interested in clinical and health professions.

HEIM 401. Introduction to Health Information Management (HIM). 3 Credits.

This course introduces students to the foundational concepts of health record content, characteristics and requirements, along with the operational processes designed to support and safeguard the healthcare data and information contained therein. Joint Commission survey process is also included. Industry standard software applications are used for applied, hands-on learning in this course.

HEIM 415. Healthcare Delivery Systems. 3 Credits.

This course is an in-depth overview of the United States healthcare system and focuses on the structure and function of services across settings. Special emphasis is placed on the history of healthcare, reimbursements and financing, health policy, outcomes (cost, quality, access) and the integration of care across delivery settings using health information technology.

HEIM 420. Legal Aspects of Healthcare. 3 Credits.

This course introduces the student to some of the basic legal principles found in healthcare and health information management (HIM). Fundamentals of law including statutory, regulatory, and judiciary practices are reviewed in the context of HIM including tort and liability. Emphasis is placed on HIPAA regulations. Patient legal rights and responsibilities as related to their healthcare are included, as well as fraud and abuse prevention and compliance.

HEIM 425. Pharmacology Concepts for Health Information Management. 2 Credits.

A fundamental overview of how drugs affect the human body and how the body impacts drugs used in pharmacotherapy. This course is designed to provide the student with the knowledge necessary for managing patient health information specific to medication administration and management. This course also covers pharmacology topics relevant to analyzing medication administration documentation in the patient health record. Prerequisite: Admission to BS in HIM program or instructor permission.

HEIM 435. Clinical Concepts for Health Information Management. 3 Credits.

This course examines ways in which health information professionals apply knowledge of clinical concepts in professional practice. Course content surveys professional practice roles and application of clinical knowledge in daily work, clinical documentation in health records, as well as diseases and conditions affecting the various body systems. Prerequisite: Anatomy and physiology lecture and lab, medical terminology, or instructor consent.

HEIM 450. Introduction to Professional Practices Experiences. 1 Credits.

This course is designed to provide students a better understanding of the various career opportunities in the Health Information Management field and develop skills required for professional environments. The emphasis is on professional behavior for health information management professionals in the workplace. Course content is intended to prepare students for site visits, professional practice experiences, internships, and their future careers.

HEIM 485. Independent Study in Health Information Management. 1-10 Credits.

The content will vary depending on material appropriate to students. May be repeated for additional credit utilizing a variety of projects and special assignments. Prerequisite: Permission of the program director.

HEIM 501. Information Resources and Professional Development. 2 Credits.

This course prepares students to effectively utilize information resources and technology on an academic medical center campus to foster success in the Health Information Management program, professional practice experiences and the health professions. Students will learn to apply software applications, project management strategies, and professional writing and literacy skills. This course has a special emphasis on professionalism, self-awareness, communication, collaboration and critical thinking.

HEIM 510. Professional Practice Experience / Lab I. 1 Credits.

This course provides a laboratory/professional practice experience opportunity for the application of concepts learned through previous coursework in addition to further exploration of advanced health information management topics, interprofessional education, and technical writing. Prerequisite: Successful completion of Junior-level HIM academic courses or permission from instructor.

HEIM 525. Healthcare Database and Architecture. 3 Credits.

This course is designed to help students understand databases and database management systems. Students will learn to model and understand database design, in conjunction with learning methods to structure data as records, tables, or objects. Students will also learn how query languages are used for searching, sorting, reporting, and other "decision support" activities to best utilize the available data. Along with acquiring knowledge fundamental to management of the electronic health record (EHR), students will develop general technical knowledge to become capable health information professionals. Prerequisite: IST 202, IST 205, or similar course.

HEIM 540. Health Information Systems. 3 Credits.

The increased use of technology to support health data and information continues to evolve. This course introduces students to core topics and concepts in health informatics, emphasizing the implementation and management of health information systems. Students learn the conceptual framework and foundational elements of health informatics, selecting and implementing systems through the Systems Development Life Cycle (SDLC), data and information infrastructure, privacy and security aspects, human-computer interaction frameworks and usability concepts, and current trends and supporting technologies.

HEIM 565. Clinical Terminologies and Classifications I. 4 Credits.

This course introduces classification systems and terminologies used in healthcare and the relationship of these systems to patient care, research, and reimbursement systems. Course content provides study and application of coding guidelines, conventions, and rules of coding systems. Prerequisite: HEIM 435 or permission of the instructor.

HEIM 567. Quality and Performance Improvement in Healthcare. 3 Credits.

This course provides instruction on the principles of quality (QI) and performance improvement (PI) in the context of healthcare. PI drivers, models, techniques, and processes are covered including workflow reengineering. QI program organization, management and effectiveness are addressed. This course also includes content on patient safety, risk management, resource management and assessment of provider competence.

HEIM 570. Introduction to Healthcare Management. 3 Credits.

This course introduces theoretical and applicable concepts of management with an emphasis on managing in healthcare organizations. Students explore traditional management roles as well as leadership concepts. Course content depicts management in the context of a complex stakeholder environment evidenced in the healthcare system of the United States.

HEIM 571. Human Resource Management in Healthcare. 3 Credits.

This course explores the human resource management roles and responsibilities that are necessary in the successful administration of healthcare organizations. Course content studies the fundamentals of human resource management including employment law, staffing, performance management, and training and development. Prerequisite: HEIM 570 Healthcare Management.

HEIM 575. Applied Statistics and Research Methods in Healthcare. 3 Credits.

Emphasis is on the statistical analysis of healthcare data. Content includes hospital-based statistics, an introduction to epidemiological concepts, research design and methodology, research ethics and protocol, hypothesis testing, data management, analysis and presentation. Prerequisite: HEIM 525 and MATH 365 or similar.

HEIM 585. Healthcare Reimbursement. 3 Credits.

This course examines complex financial systems within the United States healthcare system. Students explore content related to healthcare reimbursement methodologies and revenue cycle management.

HEIM 635. Clinical Terminologies and Classifications II. 3 Credits.

This course offers continued study of classification systems and terminologies used in healthcare and the relationship of these systems to patient care, research, and reimbursement systems. This course includes an introduction to the role of mapping between the various classification systems, nomenclatures and clinical terminologies used in healthcare. Prerequisite: HEIM 565 or permission of the instructor.

HEIM 661. Management Principles in Health Care. 3 Credits.

Introduction to basic principles of management and education and their application in the current healthcare environment. Course content includes: management, quality issues, budgeting, personnel issues, evaluation and application of management concepts, and educational methodologies. Cross listed with CLS 661 and RESP 661. Prerequisite: Admission to the Health Information Management Program or permission of the instructor.

HEIM 665. Topics in Health Information Management. 2 Credits.

This course will utilize case studies, student discussions and guest presentations to address the latest developments in the management of health information. Students will examine key issues and trends within HIM through a series of seminar topics and presentations.

HEIM 670. Independent Study in Health Information Management. 1-10 Credits.

The content will vary depending on material appropriate to students. May be repeated for additional credit utilizing a variety of projects and special assignments. Prerequisite: Permission of the program director.

HEIM 671. Leadership in Healthcare. 3 Credits.

This course applies key concepts in personal, professional and organizational leadership for healthcare management. Special emphasis is on strategic leadership and planning for enterprise-wide health information strategies. Students will focus on leadership styles with an emphasis on self-discovery and professional development within an ever-changing environment.

HEIM 676. Healthcare Analytics. 3 Credits.

This course covers data-driven, computer-based tools and data analysis techniques that aid decision-making in healthcare. Effective use of data analysis increases the quality of strategic and operative planning and reduces the time used for decision-making processes. The course focuses on data-driven techniques and tools including such topics as medical coding systems, database fundamentals, business performance monitoring (managerial dashboards), and data mining applied to the healthcare industry. A number of data mining and predictive modeling approaches are discussed to address specific issues in healthcare. Prerequisite: HEIM 575.

HEIM 679. Information Governance in Healthcare. 3 Credits.

This course examines the role of health information managers as facilitators and champions of information governance in healthcare organizations. Course content includes an exploration of the topic of information governance, as well as introduces strategic considerations for enterprise processes, policies and procedures, standards, and metrics to support information governance efforts. Information is considered throughout the course as a strategic asset for organizational optimization. External users of information and related implications are also discussed.

HEIM 680. Management Internship. 3 Credits.

This is a four-week internship that provides the student with a management capstone experience with the activities and responsibilities commonly performed by the health information administrator. Students receive "hands-on" managerial experience. The internship may take place in any type of healthcare setting throughout the healthcare continuum and industry. Students interpret classroom theory into actual planning, organizing, assessing, and controlling situations in a health information department or related administrative or technical environment. Students are responsible for all costs including room, board, and transportation. Management internship sites are selected based upon such factors as: HIM experience, credentials of the student, expressed wishes from their internship choices. Prerequisite: Successful completion of all HIM professional coursework and/or permission of the instructor.

HEIM 681. Management Practicum. 3 Credits.

This practicum experience provides the student with a management capstone experience in the activities and responsibilities of the health information administrator. The specific practicum topics are selected based on the experience and credentials of the student. Prerequisite: Successful completion of all HIM professional coursework and/or permission of the instructor.