HS101: Medical Law and Bioethics
This course emphasizes the basic principles and applications of law, ethics, and bioethics as they relate to the medical arena. It covers legal terms, consent, contracts, physician/patient relationships, professional liability, and various medical issues. Through lectures, class discussions, case studies, and library research, students acquire knowledge of the importance of their professional, legal, and ethical responsibilities.
Quarter Credit Hours: 5 | Prerequisite: None

HS101M1: Legal and Ethical Standards
Discuss the implications of legal and ethical standards for health care professionals.
Quarter Credit Hours: 1 | Prerequisite: None

HS101M2: Health Care Regulations
Discuss federal and state health care regulations.
Quarter Credit Hours: 1 | Prerequisite: None

HS101M3: Health Care Certifications
Apply ethical standards in accordance with applicable certification agencies.
Quarter Credit Hours: 1 | Prerequisite: None

HS101M4: Medical Records and Privacy
Explain legal and ethical principles of confidentiality, documentation, and risk management.
Quarter Credit Hours: 1 | Prerequisite: None

HS101M5: Current Topics in Health Care
Identify current topics in health care.
Quarter Credit Hours: 1 | Prerequisite: None

HS111: Medical Terminology
This course provides a logical understanding of the language of medicine. Basic prefixes, suffixes, word roots, and rules for taking a singular term and making it plural are studied, along with word analysis, word building, spelling, and pronunciation. These principles are applied to the study of the following systems: integumentary, skeletal, muscle/joints, blood and lymphatic, nervous, respiratory, and cardiovascular. Each body system is reviewed with anatomy and physiology; diagnostic, lab, and surgical procedures; and pharmacology for interest and knowledge.
Quarter Credit Hours: 5 | Prerequisite: None

HS111M1: Elements of a Medical Term
Differentiate the word elements of a medical term.
Quarter Credit Hours: 1 | Prerequisite: None

HS111M2: Formulating Definitions of Medical Terms
Formulate proper definitions of presented medical terms.
Quarter Credit Hours: 1 | Prerequisite: None

HS111M3: Using Medical Terminology to Interpret Medical Reports
Interpret simulated medical reports using medical terminology.
Quarter Credit Hours: 1 | Prerequisite: None

HS111M4: Translating Medical Terminology into Layman’s Terms
Demonstrate the ability to translate medical terminology and information into layman’s terms for nonmedical personnel or patients.
Quarter Credit Hours: 1 | Prerequisite: None

HS111M5: Composing Accurate Medical Terms
Compose accurate medical terms, based on established medical terminology guidelines.
Quarter Credit Hours: 1 | Prerequisite: None

HS116: Survey of Human Structure and Function
In this course, you will survey the foundations of anatomy and physiology of the human body as they apply to the health science fields. Topics include the cells, tissues, organs, and functions of the various body systems. You will also be introduced to the organization and structure of the human body.
Quarter Credit Hours: 5 | Prerequisite: None

HS140: Pharmacology
This course is a systematic study of basic pharmacology principles with emphasis on the skills and information needed to succeed in a health care setting. Topics covered include principles of pharmacology, drug classes, dosage calculations and measurement conversions, drug administration routes, and proper medication documentation procedures.
Quarter Credit Hours: 5 | Prerequisite: None

HS155: Fundamentals of Patient Safety
This course is designed to create systems-thinking professionals who are prepared to identify, evaluate, and improve systemic issues that may lead to adverse events if left unchecked. This course builds upon a working knowledge of a pharmacy environment as experienced by a pharmacy technician and prepares you to critically evaluate why your work environment operates the way it does and how that environment contributes to outcomes observed. You will explore errors associated with each step in the medication use process, common sources of error at each point, and strategies to minimize the impacts of these errors. Coursework includes analysis of adverse drug event cases, root cause analysis, suggesting process improvements, and designing ways to objectively measure the impact of these changes.
Quarter Credit Hours: 5 | Prerequisite: None

HS155M1: Defining and Identifying Medication Errors
Evaluate how complex medication use systems and the terms used to classify them generate various types of adverse events seen in pharmacy practice.
Quarter Credit Hours: 1 | Prerequisite: None

HS155M2: Strategies to Reduce Medication Errors
Differentially common types of medication errors and the effective strategies available to reduce these errors.
Quarter Credit Hours: 1 | Prerequisite: None

HS155M3: Root Cause Analysis and Medication Safety
Practice root cause analysis to assess an adverse drug event.
Quarter Credit Hours: 1 | Prerequisite: None

HS155M4: Designing Safe Medication Use Systems
Synthesize optimum work processes for a pharmacy practice, given the use of human factor analysis of various pharmacy systems and the professionals who interact with those systems.
Quarter Credit Hours: 1 | Prerequisite: None

HS155M5: Measuring Medication Safety Systems
Design an objective measurement system that can be used to quantify systems improvements and associated adverse events.
Quarter Credit Hours: 1 | Prerequisite: None
HS165: Cultural Competence and Communication for Health Professionals
This course focuses on increasing awareness of the upstream root causes of health disparities and inequities. It will explore ecological solutions to achieving health equity, by understanding social risk factors and addressing social determinants of health, increasing health literacy, promoting cultural humility, and utilization of diversity, equity, and inclusion (DEI) and community-based participatory research (CBPR) theoretical and action-based frameworks. You will assess lessons-learned, best practices, and emerging evidence on sustainable change strategies to close health status gaps.
Quarter Credit Hours: 5 | Prerequisite: None

HS165M1: Cultural Humility in Health Care
Illustrate the importance of cultural humility in a health care context.
Quarter Credit Hours: 1 | Prerequisite: None

HS165M2: Culture and Effective Health Care Communication
Identify strategies for effective communication with differing cultures.
Quarter Credit Hours: 1 | Prerequisite: None

HS165M3: Diversity Considerations in Provider Interactions
Discuss the impact of diversity, equity, and inclusion on patients, colleagues, and provider interactions.
Quarter Credit Hours: 1 | Prerequisite: None

HS165M4: Health Equity in the Workplace
Investigate opportunities to advance health equity in the workplace.
Quarter Credit Hours: 1 | Prerequisite: None

HS165M5: Improving Health Literacy
Recommend strategies for improving health literacy.
Quarter Credit Hours: 1 | Prerequisite: None

HS175: Special Topics in Retail Pharmacy Practice
This course explores special topics in retail pharmacy practice. There is flexibility built into the course to provide options to synthesize and apply current concepts into your own retail pharmacy practice.
Quarter Credit Hours: 5 | Prerequisite: None

HS175M1: Integrating Knowledge for Allied Health Practice
Integrate knowledge from behavioral and pharmacy experience as a basis for allied health practice.
Quarter Credit Hours: 1 | Prerequisite: None

HS175M2: Technology for Health Care Tasks
Use current technology for a variety of health care tasks.
Quarter Credit Hours: 1 | Prerequisite: None

HS175M3: Career Skills in Health Care
Demonstrate competencies relevant to a career focus area within health sciences.
Quarter Credit Hours: 1 | Prerequisite: None

HS175M4: Problem Solving in Health Care
Apply problem-solving skills to real and simulated health care scenarios.
Quarter Credit Hours: 1 | Prerequisite: None

HS175M5: Professionalism in Pharmacy Practice
Exhibit behavior consistent with the professional, ethical, and legal standards of pharmacy practice.
Quarter Credit Hours: 1 | Prerequisite: None

HS185: Emerging Trends in the Pharmaceutical Industry
This course will explore emerging trends within the health industry, with special emphasis on the pharmaceutical industry. You will identify various topics and trends that could impact future professional practices and how those impact decision making. You will apply a variety of strategies to propose solutions and manage quality with an ethical foundation.
Quarter Credit Hours: 5 | Prerequisite: None

HS185M1: Future Professional Practice
Identify contemporary and relevant topics that will impact future professional practices.
Quarter Credit Hours: 1 | Prerequisite: None

HS185M2: Health Care Trends and Decision-Making
Analyze industry trends to facilitate decision-making.
Quarter Credit Hours: 1 | Prerequisite: None

HS185M3: Solutions for Pharmacy Practice
Propose solutions to pharmacy-based problems using evidence-based approaches.
Quarter Credit Hours: 1 | Prerequisite: None

HS185M4: Ethics and Goals in Health Care Settings
Integrate personal and professional ethics to achieve organizational goals.
Quarter Credit Hours: 1 | Prerequisite: None

HS185M5: Managing Quality and Performance in Health Care Settings
Apply tools and techniques in the management of quality and performance in a health care setting.
Quarter Credit Hours: 1 | Prerequisite: None

HS200: Diseases of the Human Body
In this foundational course you will be introduced to a broad survey of the field of human diseases. You will explore the basics of disease processes, vaccinations, and the economic impact of chronic disease. You will be able to recognize the causes, signs, and symptoms of common diseases and the diagnostic procedures, treatment, and prevention of common diseases.
Quarter Credit Hours: 5 | Prerequisite: None

HS210: Medical Office Management
This course explores procedural guidelines for accomplishing various administrative tasks in the health care setting. Topics include management of patient information, operational functions, and general workplace competencies of health care employees.
Quarter Credit Hours: 5 | Prerequisite: None

HS215: Medical Insurance and Billing
This course provides an understanding of health care insurance billing and insurance concepts in practice today. It includes medical insurance billing theory and methodology, and covers specific reimbursement theories, health care concepts, and the practical application of third-party insurance rules.
Quarter Credit Hours: 5 | Prerequisite: None

HS220: Medical Coding and Insurance
Using various coding methodologies, students learn basic coding principles used in filing insurance claims. Students also become acquainted with various types of health insurance and insurance terminology.
Quarter Credit Hours: 5 | Prerequisite: None
HS230: Health Care Administration
This course will familiarize you with the scope and practice of health care administration. You will learn about the theoretical basis, development, and resources that make up the U.S. health care delivery system. You will study how health care policy can impact the cost, access, and quality of the system. You will learn about the types of patients and the different environments where health services are delivered. You will study how laws and ethics guide health care delivery. Finally, you will tie everything together by reviewing the roles and responsibilities of administering, managing, and leading health care organizations.
Quarter Credit Hours: 5 | Prerequisite: None

HS230M1: Leading Health Care Organizations
Illustrate the roles and responsibilities of administering, managing, and leading health care organizations.
Quarter Credit Hours: 1 | Prerequisite: None

HS230M2: Forces That Impact Health Care
Explain how health care policy can impact cost, access, and quality in the U.S. health care delivery system.
Quarter Credit Hours: 1 | Prerequisite: None

HS230M3: Health Care Access
Summarize the types of patients and various environments in which health care services are delivered.
Quarter Credit Hours: 1 | Prerequisite: None

HS230M4: Legal and Ethical Challenges for Health Care Organizations
Show how laws and ethics guide health care delivery.
Quarter Credit Hours: 1 | Prerequisite: None

HS230M5: Resources in Health Care Organizations
Describe the theoretical basis, development, and resources of the U.S. health care delivery system.
Quarter Credit Hours: 1 | Prerequisite: None

HS240: Medical Office Accounting
This course will introduce you to fundamental concepts of accounting applicable to the health care environment. Topics include basic bookkeeping procedures, accounts receivable, payroll, banking processes, petty cash, and billing and collection procedures.
Quarter Credit Hours: 3 | Prerequisite: None

HS290: Associate’s Capstone in Health Science
Designed to be a culminating educational experience, the Associate of Science in Health Science capstone course integrates coursework, knowledge, and skills to enable you to demonstrate mastery of learning across the curriculum. You will complete a summary portfolio addressing requirements in selected career focus areas. Submissions will include, but will not be limited to, assessments demonstrating knowledge and skills, and reflections on learning.
Quarter Credit Hours: 5 | Prerequisite: Final term

HS292: Billing and Coding Practicum
This course is designed to build on the concepts and skills of program courses, specifically medical billing and coding. You will gain practical experience in medical billing, coding, and administrative functions in both an online virtual lab setting and in a health care facility.
Quarter Credit Hours: 3 | Prerequisite: Last term or permission from the Dean

HS298: Externship Extension Course
This course will provide you with a mentored learning experience in the content area and site selected by you and approved by the Clinical Coordinator. This course may be taken after a health sciences externship course for the specific purpose of externship hour completion.
Quarter Credit Hours: 0 | Prerequisite: HI499, MA295, or MO290

HS305: Research Methods for Health Sciences
This course enables you to explore ethics within the health industry, research methods, and the evaluation of scientific literature. You will engage with health data through database querying, data extraction, and data mining opportunities. You will learn to procure appropriate metrics for analysis, utilize data mining to generate insights into health organizational outcomes, and evaluate health data to make evidence-based decisions. You will use computer software applications to manage data throughout this course.
Quarter Credit Hours: 6 | Prerequisite: None

HS312: Epidemiology and Biostatistics II
You will collect and analyze data in order to solve health and clinical problems. In this course, you will study inferential statistics and advanced epidemiological constructs. You will study epidemiology and biostatistics as it applies to peer-reviewed, health-based publications.
Quarter Credit Hours: 6 | Prerequisite: HS311

HS315: Practices in Public Health
This course guides students through the practice of public health. Real-world public health issues are presented and evaluated through the use of case study analysis. Case studies cover fundamental competencies of the public health practitioner, including community health assessment and health policy development. In addition, students will examine problem-solving strategies through problem-based learning.
Quarter Credit Hours: 6 | Prerequisite: None

HS315M1: Best Practices for Community Health Assessment
Show how best practices can be used in community health assessment.
Quarter Credit Hours: 1 | Prerequisite: None

HS315M2: Using Systems Thinking to Build Stakeholder Relationships
Apply systems thinking to build relationships with public health stakeholders.
Quarter Credit Hours: 1 | Prerequisite: None

HS315M3: Health Policy and Law
Analyze how health policy is used to address current public health challenges.
Quarter Credit Hours: 1 | Prerequisite: None

HS315M4: Health Promotion
Create strategies to promote health within a community.
Quarter Credit Hours: 1 | Prerequisite: None

HS315M5: Environmental Health and Emergency Preparedness and Response
Evaluate a public health response to a disease within a population.
Quarter Credit Hours: 1 | Prerequisite: None

HS315M6: Evidence-Based Public Health
Propose solutions for public health problems using evidence-based approaches.
Quarter Credit Hours: 1 | Prerequisite: None

HS320: Microbiology
This course introduces students to a diverse world of microorganisms including their role in health and disease. Properties of prokaryotes and eukaryotes are discussed, with emphasis on different characteristics of microorganisms including morphology, metabolism, physiochemical characteristics, and genetics. Students learn how microorganisms contribute to all areas of everyday life including food, water, environment, and industry. Important microbial diseases and the immune system and its role in fighting microbial diseases are also explored.
Quarter Credit Hours: 6 | Prerequisite: None
HS340: Epidemiology
In this course, you will explore basic methods and procedures of epidemiology, especially as applied to infectious disease, policy, and social determinants of health. You will interpret health measures, identify data sources, and discuss the concepts of association and causality. A focus on visual representation of data will be introduced. In addition, you will demonstrate analytical skills by proposing solutions to a health issue based on epidemiological data.
Quarter Credit Hours: 6 | Prerequisite: None

HS345: Biostatistics
This course introduces strategies for analyzing and presenting health science data for the purpose of solving problems and making recommendations. Topics include descriptive and inferential statistics, with a focus on t-tests, analysis of variance and visualization. You will also work with mined data and identifying trends and patterns in datasets.
Quarter Credit Hours: 6 | Prerequisite: None

HS350: Health Coaching
This course is designed to provide you with the knowledge, tools, and resources to facilitate behavior changes in a structured, supportive role as a health and wellness coach. In this course, you will learn how to identify risk factors for chronic disease, the use of biometric measures, coaching theories, and current lifestyle recommendations for optimizing health. As a health and wellness coach, it is important in the coaching practice to recognize potential imminent danger and medical red flags and know when and how to refer to another health care professional.
Quarter Credit Hours: 6 | Prerequisite: None

HS410: Organization and Management for Health Care
This course centers on the foundations of health care organizations and systems, particularly the outside influences of licensing and accrediting agencies. The clinical classification systems, clinical vocabularies, and nomenclatures are detailed. The nontraditional role of the health information professional in management and administrative roles is also discussed.
Quarter Credit Hours: 6 | Prerequisite: None

HS410M1: Language of Health Care
Analyze taxonomies, clinical vocabularies, terminologies, and nomenclature used in health care settings.
Quarter Credit Hours: 1 | Prerequisite: None

HS410M2: Applying Management Principles to Resource Utilization
Utilize available resources to achieve objectives within a health care organization or system.
Quarter Credit Hours: 1 | Prerequisite: None

HS410M3: Accreditation and Licensure for Health Care Organizations
Compare the roles of governmental and nonprofit agencies in accreditation and licensure of health care organizations and professionals.
Quarter Credit Hours: 1 | Prerequisite: None

HS410M4: Standards and Regulations
Evaluate the impact of standards and regulations on the management of health information.
Quarter Credit Hours: 1 | Prerequisite: None

HS410M5: Professional Ethics in Health Care
Integrate personal and professional ethics to achieve organizational goals.
Quarter Credit Hours: 1 | Prerequisite: None

HS410M6: Principles of Management
Evaluate organization and management principles in health care settings.
Quarter Credit Hours: 1 | Prerequisite: None

HS415: Environmental Health
This course addresses environmental health issues and the principles, scope, and practice of environmental health, including environmental epidemiology and toxicology; food safety and water quality; waste management and risk assessment; the sources of air, water, land, soil, radioactive, noise, aesthetic, and light pollution; occupational health and injury prevention; environmental and occupational health organizations and environmental justice; environmental health laws, regulations, policies, and programs; emerging issues in environmental health; and the future challenges faced by environmental health professionals.
Quarter Credit Hours: 6 | Prerequisite: None

HS420: Health Informatics
This course provides an overview of health information and health informatics, a field of computing focused on improving health care delivery. The key components of information systems and health informatics are introduced including Electronic Health Records (EHRs), Health Information Exchange (HIE), and Personal Health Records (PHRs). How technology and regulations are applied in the delivery of healthcare are explored.
Quarter Credit Hours: 6 | Prerequisite: None

HS440: Finance for Health Care
This course provides you with a description of the current financial environment in which health care organizations operate. It also supplies you, as a future health care decision-maker, with an understanding of key health care finance concepts, basic managerial and accounting principles, the budget process, and tools used for financial analysis. You will be provided focused information on financing, funding, and reimbursement of health services including for-profit, nonprofit, and managed care organizations, as well as governmental programs such as Medicare and Medicaid. Discussions on the application of financial information give students useful information to make financial decisions to better the cost-effectiveness of an organization.
Quarter Credit Hours: 6 | Prerequisite: None

HS440M1: The Financial Environment of Health Care
Analyze the current financial environment in health care and factors affecting it.
Quarter Credit Hours: 1 | Prerequisite: None

HS440M2: Cost Structure, Reimbursement, and Financial Analysis in Health Care
Summarize the health care facility revenue cycle including the role of diagnosis and procedure coding in reimbursement and pricing strategies.
Quarter Credit Hours: 1 | Prerequisite: None

HS440M3: Financial Reporting in Health Care
Analyze major financial reports used in health care organizations to inform decision making.
Quarter Credit Hours: 1 | Prerequisite: None

HS440M4: Financial Operations and Quality Control in Health Care Organizations
Evaluate cost accounting and management under rate control and competition.
Quarter Credit Hours: 1 | Prerequisite: None
HS440M5: Capital Investment and Cost Analysis in Health Care Organizations
Differentiate between the methodologies and processes used in preparing budgets for health care organizations.
Quarter Credit Hours: 1 | Prerequisite: None

HS440M6: Financing Health Care Reform Mandates in Health Care
Critique the financial impact of health care reform on health services organizations.
Quarter Credit Hours: 1 | Prerequisite: None

HS450M1: Mission, Vision, and Values in Health Care
Assess strategic planning techniques for organizational change associated with mission, vision, ethics, and/or culture of a health care organization.
Quarter Credit Hours: 1 | Prerequisite: None

HS450M2: Team Building and Strategic Planning in Health Care
Demonstrate how effective team building optimizes the implementation of strategic planning.
Quarter Credit Hours: 1 | Prerequisite: None

HS450M3: Leadership and Organizational Strategies in Health Care
Describe leadership factors and skills that affect organizational strategies needed for strategic change initiatives.
Quarter Credit Hours: 1 | Prerequisite: None

HS450M4: Management of Quality and Performance in Health Care
Apply tools and techniques in the management of quality and performance in a health care setting.
Quarter Credit Hours: 1 | Prerequisite: None

HS450M5: Impacts of Leadership on Employee Perception and Productivity
Evaluate change management principles and models for their impacts on employee motivation, productivity, and job satisfaction.
Quarter Credit Hours: 1 | Prerequisite: None

HS450M6: Training Strategies in Health Care Organizations
Construct organizational training strategies that resolve emerging issues in a health care environment.
Quarter Credit Hours: 1 | Prerequisite: None

HS460M1: Quality Management Tools
Design quality assessment and management tools.
Quarter Credit Hours: 1 | Prerequisite: None

HS460M2: Risk Management Programs
Differentiate the components of risk management programs.
Quarter Credit Hours: 1 | Prerequisite: None

HS460M3: Utilization Management
Explain the role of quality assessment in the utilization management process.
Quarter Credit Hours: 1 | Prerequisite: None

HS460M4: Health Information Projects
Evaluate health information projects.
Quarter Credit Hours: 1 | Prerequisite: None

HS460M5: Project Management Techniques
Apply project management techniques to ensure efficient planning of workflow.
Quarter Credit Hours: 1 | Prerequisite: None

HS460M6: Project Management Facilitation
Facilitate project management by executing project tasks and activities.
Quarter Credit Hours: 1 | Prerequisite: None

HS470: Cultural Health Experience
In this health-oriented education abroad experience, you will explore the skills needed to build competency in working with a globally diverse population. Topics covered include exploring acculturation experiences, analyzing cultural differences in the delivery and utilization of health-related services, and communicating effectively across cultures. You will utilize these skills as part of either a virtual or in-person international trip as you experience the local culture and health practices. You may be eligible to receive the Global Scholar micro-credential, which recognizes learners who have distinguished themselves as global scholars through advanced intercultural skill development and participation in a virtual or travel Education Abroad experience. NOTE: There is an additional course fee for participation in the field experience. Please contact PG Education Abroad (educationabroad@purdueglobal.edu) for detailed pricing.
Quarter Credit Hours: 5 | Prerequisite: Enrollment in any undergraduate-level degree program and permission from School of Health Sciences.

HS490: Health Science Internship
The health sciences undergraduate internship course provides you with the opportunity to focus on acquiring additional knowledge, skills, and abilities to enhance professional success. Opportunities to focus on specific career paths and/or topics in health sciences related to your degree will be emphasized.
Quarter Credit Hours: 6 | Prerequisite: Permission from School of Health Sciences Dean and internship directors

HS499: Bachelor's Capstone in Health Science
This capstone course is the culminating experience for the Bachelor of Science in Health Science. This course builds on the concepts of all the courses students have taken within the program of study. The capstone course provides students with the opportunity to integrate and synthesize the knowledge and skills acquired throughout their coursework in an original comprehensive project, and to assess their level of mastery of the stated outcomes of their degree program in health sciences.
Quarter Credit Hours: 6 | Prerequisite: Last term