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Online health informatics masters

The certification exams for students in Purdue Global programs are optional and require students to meet specific requirements, including work experience, coursework, fieldwork, or background checks, which may be necessary to be eligible to take or pass the exams. Estimated graduation dates assume enrollment by the next start date, remaining enrolled consecutively, and maintaining satisfactory academic standing to progress toward program completion. Completion times are based on a full-time schedule, with programs taking longer for part-time students. The Bureau of Labor Statistics predicts job growth for medical and health services managers, but national projections may not reflect local or short-term economic conditions. Purdue Global Law School EJD Degree – MHI: Alumni can receive a 20% tuition reduction on law school programs, with savings calculated based on credit hours completed. The Master of Healthcare Informatics (MHI) program can be completed in 2.3 years with adherence to recommended coursework and sequence. The UK degree classification for this program is stated on the page, but please contact Graduate Admissions for further advice if needed. This program is suitable for those who want to contribute to improving healthcare by utilizing information and technology. It is a collaboration between UCL and the University of Manchester, providing detailed insights into digital systems used in healthcare. The program covers software engineering approaches and implementing different systems. Students also gain skills in data analysis and presentation. The NHS graduate management training scheme supports this program, along with other employers. This multidisciplinary learning experience is one of the strengths of the program. The programme features renowned academics shaping health informatics globally, along with strong ties to healthcare organisations and employers. This partnership provides opportunities for students to build professional networks and collaborate on projects with these organisations. The taught modules are delivered online over eight or nine weeks, including video lectures, podcasts, written material, exercises, and discussions. Face-to-face teaching includes lectures, seminars, and experiential learning, with students typically spending three days per module on campus. The rest of the learning is delivered online. For half the modules, face-to-face teaching takes place at UCL, while the other half occurs at the University of Manchester. Students also attend a separate induction day at UCL at the start of the year. Through this combination of online and face-to-face learning, students gain knowledge of policy and regulatory frameworks, understand record-keeping systems, develop skills in healthcare system analysis, and meet assessment requirements including coursework, examinations, presentations, and a research project. A typical student taking the programme in modular flexible mode will complete four modules spread out over the academic year, spending around 10-12 hours per week on course materials and assignments, with additional time spent on campus for face-to-face teaching and independent study. The attendance requirements of the dissertation module vary depending on the project, with face-to-face teaching taking place at the University of Manchester and UCL. Modules will be available later this academic year. Part-time students can choose modules just like full-time students, but over a longer period – typically two to five years. We recommend that part-time students take their dissertation in the second year. The majority of modular/flexible students complete their programme in three years, with compulsory modules in year one, optional modules in year two, and the dissertation in year three. Please note that the module list is indicative, as content and availability are subject to change. Most students take 180 credits' worth of modules. Upon completing 180 credits, you'll be awarded an MSc in Health Informatics; upon completing 120 credits, a PG Dip; and upon completing 60 credits, a PG Cert. Tuition fees for the current academic year are £16,000 (full-time) or £8,000 (part-time). UK students pay these rates, while international students pay £36,500 (£18,250 part-time). The programme is also available on a modular basis with pro-rata tuition fees. Additional costs include travel to and from Manchester or London for face-to-face teaching, as well as accommodation if needed. Funding your studies at UCL's Health Informatics department. #### Scholarships Value: Full Home tuition fees (1 year) Criteria Based on both academic merit and financial need Students advised to apply early due to competition for places. #### Application Guidelines Assessing Applications: - Why you want to study Health Informatics at graduate level - Personal statement illustrating your reasons for applying #### Program Overview 100% online asynchronous Master of Science in Health Informatics program 38-credit hour program, 30 months completion Focuses on social informatics at the population level Key areas include data collection, storage, extraction, manipulation, network architecture, and healthcare project management. #### Program Tracks Health Data Science (HDS) - prepares students for analytic teams Consumer and Mobile Health (CMH) - addresses digital transformation in healthcare Leadership - provides depth of knowledge for addressing healthcare organizational change #### Benefits CAHIIM accreditation Vast professional network Online format for flexibility MSHI courses focus on hands-on training and experiential learning to apply health informatics concepts to real-life scenarios, demonstrating leadership skills in implementing innovative digital health solutions. The MS program develops competencies in consumer health literacy, patient engagement, and health technology evaluation. Field concentrations are available through 12-hour elective credits. Prerequisites for courses in the Health Informatics program include graduate standing and consent from the instructor. Students can expect to examine data communications, healthcare information systems analysis and design, social and organizational issues, current theories and methods, and capstone experiences related to health informatics. Key topics include qualitative research methods, clinical investigator roles, patient safety, healthcare information security, and cybersecurity foundations. Foundational Cybersecurity Concepts - Prerequisite: BHIS 437 and BHIS 510 or consent of instructor BHIS 522Mobile Health Informatics - Examines mobile health informatics from theoretical and applied perspectives - Requires extensive computer use - Meets eight weeks of the semester - Offered completely online Prerequisite: BHIS 437, BHIS 510 and BHIS 515 or consent of instructor Recommended background: BHIS 528 or equivalent BHIS 523Advanced Topics in Mobile Health Technologies - Provides advanced knowledge for designing and implementing mHealth solutions - Focuses on user-centered design as a framework - Meets eight weeks of the semester - Requires extensive computer use Prerequisite: BHIS 522 Recommended Background: BHIS 528 Restricted to Health Informatics MS majors or consent of instructor BHIS 527Knowledge Management in Healthcare Organizations - Examines current issues, concepts, and technologies of knowledge management in healthcare organizations - Uses asynchronous discussion with seminar format - Prerequisite: Grade of B or better in BHIS 510 and consent of instructor BHIS 528Consumer Health Informatics - Develops consumer health informatics through class discussions - Theoretical and practical perspectives - Prerequisite: BHIS 510 and BHIS 527 or consent of instructor BHIS 529Transforming Healthcare using Business Intelligence and Predictive Analytics - Examines emerging healthcare technologies and capabilities - Requires extensive computer use - Meets eight weeks of the semester Prerequisite: Grade of B or better in BHIS 510 and Grade of B or better in BHIS 437; and consent of instructor BHIS 532Foundations of Clinical Decision Support Systems - Examines foundational concepts of clinical decision support systems - Utilizes biomedical and computer sciences to enhance clinical decision making - Requires extensive computer use Taught online Prerequisite: BHIS 437, BHIS 499, BHIS 503, Grade of B or higher in BHIS 510; or consent of instructor BHIS 533Practical Implementation of Clinical Decision Support Systems - Practical application of CDSS concepts for patient care settings - Requires extensive computer use Taught online Prerequisite: BHIS 437, BHIS 499, BHIS 503, Grade of B or higher in BHIS 510, and BHIS 532; or consent of instructor BHIS 535Organizational Dynamics and Health Informatics - Explores dynamic relationships within organizations - Influences value from investments in health information technologies - Requires extensive computer use Meets eight weeks of the semester Prerequisites: BHIS 525 or consent of the instructor. Examines planning and management for healthcare I.T. product development. Course Prerequisites: BHIS courses like BHIS 437 and BHIS 575, plus instructor's consent. Recommended background: Lynda.com courses Understanding Data Science and Introduction to Data Science. Credit not given for BHIS 567 if student has IDS 567 credit. Courses: • BHIS 570: Human Factors and Cognition in Health Information Technology - 3 hours + Overview of human factors, computer-human interaction, and cooperative work implications for collaborative practice and health information technology design. + Prerequisites: Grade B or better in BHIS 502, or instructor's consent. Extensive computer use required. • BHIS 575: Applied Statistics for Health Data Science - 3 hours + Statistical foundations for health data science using R software. + Exposure to statistical techniques and interpretation focusing on healthcare data. • BHIS 580: Practicum in Biomedical and Health Information Sciences - 3 hours + Field experience under expert supervision in a health informatics setting consistent with student's area of study and career goals. Prerequisites: Instructor's consent. • BHIS 540: Essentials in Health Data Science - 3 hours + Foundation in data science applied to healthcare. • BHIS 527: Knowledge Management in Healthcare Organizations - 3 hours + Examination of current issues, concepts, and technologies for knowledge management in healthcare organizations. Online using asynchronous discussion and seminar format. Prerequisites: Grade B or better in BHIS 510, instructor's consent. • BHIS 529: Transforming Healthcare using Business Intelligence and Predictive Analytics - 3 hours + Examination of health information technologies required by healthcare organizations undergoing major transformations. Prerequisites: Grades B or better in BHIS 510 and BHIS 437, instructor's consent. Recommended background: BHIS 525. • BHIS 532: Theoretical Concepts of Clinical Decisions Support Systems - 3 hours + Foundational concepts of clinical decision support systems using biomedical and computer sciences to enhance effectiveness of the clinical decision making process. Course Information: Extensive computer use required, taught online. Prerequisites: BHIS 437, BHIS 499, BHIS 503, Grade B or higher in BHIS 510, instructor's consent. • BHIS 533: Practical Implementation of Clinical Decision Support Systems - 3 hours + Practical application of CDSS concepts. Given article text here The graduate program in Biomedical and Health Information Sciences at [University Name] offers several courses that focus on data-driven decision making in healthcare settings. These courses cover topics such as data analytics, artificial intelligence, health informatics business intelligence, programming for health analytics, and healthcare data visualization. The program includes courses like BHIS 541 - Healthcare Data Analytics, which explores the use of data analytics in healthcare organizations, and BHIS 542 - Artificial Intelligence, which introduces students to the application of AI in healthcare. Another course, BHIS 554 - Health Informatics Business intelligence Tools and Applications, provides students with core business intelligence concepts and fundamentals. For programming skills, students take courses like BHIS 561 - Programming for Health Analytics, which teaches fundamental principles of programming using a popular language like Python. The course BHIS 567 - Healthcare Data Visualization introduces students to the effective presentation of health analytics outcomes. Additionally, the program covers project management in healthcare, such as BHIS 543 - Healthcare Project Management, and leadership development in health informatics, including BHIS 546 - Leadership Development in Health Informatics. These courses are designed to equip students with the knowledge and skills needed to design, implement, and analyze CDSS projects that improve patient care. Must Complete 2 of the Following Courses: * **BHIS 535: Organizational Dynamics and Health Informatics** (3 credits) - Examines the dynamic relationships within an organization that influence the realization of value from investments in health information technologies. * **BHIS 537: Health Informatics Product Management** (3 credits) - Analyzes the environment and activities necessary to plan product development and management for the healthcare I.T. industry. The other courses have prerequisites, recommended backgrounds, and are either elective or required. The student should choose two of these courses to fulfill their requirements. In the realm of health information technologies, BHIS 570 delves into human factors, human-computer interaction, and computer-supported cooperative work, exploring their implications for collaborative practice and the design and use of health IT. This program's graduates typically excel in roles like Clinical Informatics Specialist, Senior Healthcare Informatics Analyst, Pharmacy Informatics Specialist, Informatics Interface Engineer, Data Scientist, Clinical Informatics Analyst, Health Informatics Consultant, Healthcare Product Manager, and Healthcare User-Experience Strategist, with salaries ranging from $60,000 to $150,000. The program boasts an impressive 93% acceptance rate, 68% of accepted students enrolling and starting the program, a 93% completion rate within three years, and a satisfaction rate of 91%. Furthermore, 92% of graduates secured employment post-program completion, with the median salary ranging from $75,000 to $150,000 per year. The online Master of Science in Health Informatics has enabled alumni like Jonathan Leigh and Roopa Foulger to pivot their careers and secure roles such as clinical informatics specialists and managers. The accreditation process is structured to facilitate ongoing evaluation and refinement, regardless of whether or not it's already been granted. This continuous review mechanism guarantees that our program stays in sync with the shifting demands of health informatics and health information management, ultimately delivering an academic curriculum of unparalleled excellence.