



LOMA LINDA  
UNIVERSITY

# School of Allied Health Professions

# Health Informatics & Information Management



## M.S. Health Informatics (online or on-campus)

The dynamics within the healthcare industry are creating an information intensive environment that professionals must navigate as they deliver healthcare to patients. Clinical and non-clinical professionals in this industry will be required to be knowledgeable and proficient in the development and usage of information technology. The future success or failure of healthcare organizations will be predicated on their abilities to effectively and efficiently manage the valuable asset of information. This curriculum blends the topics of leadership, system theory and management, technology, data management, data analytics, and regulatory constraints so as to prepare graduates for critical leadership roles in healthcare organizations. As informatics leaders, graduates will assist in developing information systems in healthcare that positively impact patient care at an individual, local and national level.

Prospective students would come from a variety of education backgrounds, including, but not limited to, health information management, nursing, radiology, patient financial services, health care government agencies, clinical and administrative decision support, computing services, and pharmacy. Employment opportunities upon completion would include a variety of challenging prospects, including, hospitals, clinics, health information exchanges, elevated managerial roles, system development, application specialists, project management, electronic health record system specialists, clinical decision support, database administrators, clinical documentation specialists, and consultants.

### JOB OPPORTUNITIES

As the health care industry develops, under vastly expanding regulatory mandates, there is a need for information systems that will meet the needs of all stakeholders and, the need to educate health informatics professionals will steadily increase. The American Medical Informatics Association (AMIA) boasts a membership of over 4000 members dedicated to advancing the health care industry through the deployment and diffusion of technology into the health care process. AMIA projects a need for more than 50,000 new health IT workers in the next five to seven years (<http://www.amia.org>). Additionally, the Bureau of Labor Statistics expects the job outlook for Health Service Managers to increase at a rate of 22% between 2010-2020.

### PROGRAM MISSION

In harmony with the mission of Loma Linda University and the School of Allied Health Professions, the Department of Health Informatics and Information Management is dedicated to:

- Educating competent health informatics professionals.
- Promoting the health informatics profession.
- Extending the current knowledge of health informatics professionals at neighboring health care facilities.
- Challenging students and department faculty to maintain high standards of ethical and professional behavior.
- Encouraging students and faculty to seek a meaningful relationship with God and a balanced Christian lifestyle

### PROGRAM PURPOSE

To prepare our graduates to be competent health informatic professionals through excellence in instruction, project execution, advisement, and mentoring with an emphasis on global service.

### STUDENT LEARNING OUTCOMES

Upon completion of the program, students will be able to demonstrate the ability to:

- Conduct information system analysis, design, implementation and management.
- Evaluate data structure, function and transfer of information, socio-technical aspects of health computing, and human-computer interaction.
- Recommend information technology, including but not limited to, computer networks, databases and system administration, security and programming.
- Develop effective verbal and written communications
- Lead successful project management
- Solve quality and performance issues in health care using data analytics tools

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## ADMISSIONS REQUIREMENTS

1. Provide evidence of completion of a bachelor's degree from an accredited U.S. college or university or the foreign equivalent of a bachelor's degree
2. Provide three letters of recommendation that indicate a strong academic background and professional readiness
3. Interview, if deemed necessary
4. Complete the LLU application by August 1, including personal statement, and submit application fee
5. Minimum GPA of 3.0. The Graduate Record Exam (GRE) may be requested for GPAs less than 3.0.
6. International Students & Scholars:
  - o Please visit the following page to locate requirements related to English Proficiency exams, Transcript Evaluations, and Visas: <https://home.llu.edu/education/how-apply/international-students-scholars>

### TUITION COSTS

The tuition for the entire Master's of Science Degree in Health Informatics program is outlined below for full-time students initially enrolled during the 2019 - 2020 school year. Tuition and fees are generally updated before Summer Quarter. Actual tuition is subject to minor fluctuations from year to year. For information on financial aid, please visit the Financial Aid's website at <http://www.llu.edu/students/financial-aid>.

<b>46 TOTAL UNITS x \$701 per unit = \$32,246</b>	
<b>On Campus</b>	<b>Online</b>
+Enrollment Fees: \$828/quarter	+Enrollment Fees: \$0/quarter
<b>Total Cost: \$38,042</b>	<b>Total Cost: \$32,246</b>
<b>Average Cost per quarter: \$5,735</b>	<b>Average Cost per quarter: \$4,607</b>

### PROGRAM OUTLINE

The courses for the entire Master's of Science Degree in Health Informatics program is outlined below for full-time students.

<b>Fall 2019</b>		<b>Winter 2020</b>		<b>Spring 2020</b>	
<b>Summer 2020</b>	<b>Fall 2020</b>	<b>Winter 2021</b>	<b>Spring 2021</b>		
HLIF 545 System Design, Implementation and Management (3)	HLIF 530 Data Analytics and Decision Support (3)	HLIF 540 Leadership Perspectives and Practice (3)	HLIF 570 Professional Portfolio (2)	REL- 5—Religion Course (3)	
HLIF 560 Policy Development for Privacy and Security in Health-Care Systems (3)	HLIF 526 Quality and Performance Improvement (2)	HLIF 520 Data Management: Modeling and Development (3)	CHOOSE: HLIF 575 Capstone: Project and Special Topics in Health Informatics (2) OR HLIF 584 Professional Practicum & Seminar (2)		
<b>Total Units: 6</b>	<b>Total Units: 7</b>	<b>Total Units: 6</b>	<b>Total Units: 7</b>		
				<b>Total Program Units: 46</b>	

<b>For more information about Health Informatics contact:</b>	<b>For more information about our Health Information Management or Medical Coding programs, contact:</b>
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updated 07/31/18

## LLU at a Glance



LOMA LINDA  
UNIVERSITY

>> Founded in 1905 >> A Seventh-day Adventist institution integrating health, science, and Christian faith >> Offers over 200 programs in the health sciences >> Houses eight schools: Allied Health Professions, Behavioral Health, Dentistry, Medicine, Nursing, Pharmacy, Public Health, and Religion >> About 4,000 students >> Over 1,300 faculty >> 2,000 professional researchers >> \$46 million dollars in private and public grants generated each year >> Many service learning opportunities

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