



## **MASTER'S OF SCIENCE DEGREE IN HEALTH INFORMATICS ONLINE PROGRAM**

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 professions 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, 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, 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>). Additionally, the Bureau of Labor Statistics expects the job outlook for Health Service Managers to increase at a rate of 22% between 2010-2020.

### **EARNINGS**

Full-time salaries in the profession range from approximately \$85,000 - \$130,000+, depending on background and experience.

### **ADMISSIONS REQUIREMENTS**

- 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
- Provide three letters of recommendation that indicate a strong academic background and professional readiness
- Interview, if deemed necessary
- Complete the LLU application, including personal statement, and submit application fee.
- Regardless of nationality or citizenship, an applicant whose native language is not English or whose secondary education has been given outside the United States, is required to pass a test of English proficiency. Test results/scores are to be sent directly to LLU from the testing service. TOEFL scores are valid for two years from the test dates.
- Minimum GPA of 3.0. The Graduate Record Exam (GRE) may be requested and considered for GPA's less than 3.0.

## ***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***

- Students will demonstrate competence in information systems, specifically information system analysis, design, implementation and management.
- Students will demonstrate a keen understanding of informatics with respect to structure, function and transfer of information, socio-technical aspects of health computing and human-computer interaction.
- Students will demonstrate a thorough understanding in information technology including but not limited to computer networks, databases and system administration, security and programming.
- Students will demonstrate the ability to effectively communicate verbally and in writing.
- Students will demonstrate the ability to facilitate successful project management.

# **MASTER'S OF SCIENCE DEGREE IN HEALTH INFORMATICS ON-CAMPUS PROGRAM**

The Master's of Science Degree in Health Informatics on-campus program is outlined below for full-time students initially enrolled during the 2015 - 2016 school year.

<b>FIRST YEAR</b>			<b>AU</b>	<b>WN</b>	<b>SP</b>	<b>SU</b>
AHCJ	555	Writing for Healthcare Professionals	---	---	3	---
HLIF	510	Health-Care Information Systems	4	---	---	---
HLIF	511	Biostatistics	---	---	3	---
HLIF	515	The U.S. Health-Care System	3	---	---	---
HLIF	520	Data Management: Modeling and Development	---	3	---	---
HLIF	525	Management of Data and Information	---	2	---	---
HLIF	545	System Design, Implementation and Management	---	---	---	3
HLIF	560	Policy Development for Privacy and Security in Health-Care Systems	---	---	---	3
HLIF	548	Cognitive Science of Health Information Systems	---	2	---	---
<b>TOTAL</b>			<b>7</b>	<b>7</b>	<b>6</b>	<b>6</b>
<b>SECOND YEAR</b>			<b>AU</b>	<b>WN</b>	<b>SP</b>	<b>SU</b>
HLIF	530	Data Analytics and Decision Support	3	---	---	---
HLIF	532	Financial Management in Health-Care	2	---	---	---
HLIF	540	Leadership Perspectives and Practice	---	3	---	---
HLIF	555	Healthcare Vendor and Project Management	2	---	---	---
HLIF	565	Technical Structures in Health Informatics	---	3	---	---
HLIF	570	Professional Portfolio	---	---	1	---
RELT	5XX	[Religion Requirement]	---	---	3	---
HLIF	575	Capstone: Project and Special Topics in Health Informatics	---	---	2	---
	<b>-OR-</b>					
	584	Professional Practicum & Seminar (Online)	---	---	2	---
<b>TOTAL</b>			<b>7</b>	<b>6</b>	<b>6</b>	<b>---</b>
<b>PROGRAM TOTAL</b>			<b>45</b>			

## **MASTER'S OF SCIENCE DEGREE IN HEALTH INFORMATICS ONLINE PROGRAM**

The tuition for the entire Master's of Science Degree in Health Informatics online program is outlined below for full-time students initially enrolled during the 2015 - 2016 school year.

<b>First Year:</b>	<b>Autumn:</b>	<b>Winter:</b>	<b>Spring:</b>	<b>Summer:</b>
Units per quarter:	7	7	6	6
Tuition:	x \$684	x \$684	x \$684	x \$684
<b>Total per quarter:</b>	<b>\$4,788</b>	<b>\$4,788</b>	<b>\$4,104</b>	<b>\$4,104</b>
<b>Second Year:</b>	<b>Autumn:</b>	<b>Winter:</b>	<b>Spring:</b>	<b>Summer:</b>
Units per quarter:	7	6	6	---
Tuition:	x \$684	x \$684	x \$684	---
<b>Total per quarter:</b>	<b>\$4,788</b>	<b>\$4,104</b>	<b>\$4,104</b>	---

**Program Total:                    \$30,780**

For information on financial aid, please visit the Financial Aid's website at <http://www.llu.edu/ssweb/finaid/>.

## **CONTACT US**

If you have any questions or comments about this program, please contact:

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