

**Cover/Signature Page – New Programs Follow-up Report Template**

**Institution Submitting Request:** Utah Valley University  
**Program Title:** Bachelor of Science in Information Systems - Healthcare Information Systems Emphasis  
**School or Division or Location:** College of Technology and Computing  
**Department(s) or Area(s) Location:** Information Systems and Technology  
**Recommended Classification of Instructional Programs (CIP) Code<sup>1</sup>:** 11.0401  
**Board of Regents' Approval Date:** 05/20/2011

**Proposal Type (check all that apply):**

Regents' General Consent Calendar Items	
<i>R401-5 OCHE Review and Recommendation; Approval on General Consent Calendar</i>	
SECTION NO.	ITEM
5.6.1 <input type="checkbox"/>	Three-Year Follow-Up Report of Recently Approved Programs
5.6.2 <input type="checkbox"/>	Two-Year Follow-Up Report of Fast Tracked Certificate

**Chief Academic Officer (or Designee) Signature:**

I certify that all required institutional approvals have been obtained prior to submitting this request to the Office of the Commissioner.

\_\_\_\_\_  
Signature

Date: 8/26/2014

Printed Name: Jeffery Olson

<sup>1</sup> CIP codes must be recommended by the submitting institution. For CIP code classifications, please see <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55>.

**Report – Third-Year Report Template**  
**Utah Valley University**  
**Bachelor of Science in Information Systems – Business Intelligence Systems Emphasis**  
**05/20/2014**

**Program Description**

The Bachelor of Science (BS) in Information Systems prepares students to become Information Systems Professionals. Graduates develop and deploy enterprise-level systems to meet organizational needs. The focus is on leveraging business technology for strategic advantage. The BS in Information Systems includes a significant business component, preparing students for careers as business analysts, systems analysts, applications software developers, consultants, e-business developers, information systems auditors, and web designers/programmers. The Healthcare Information Systems (HIS) emphasis provides graduates with knowledge of information technology and records management to form the link among clinicians, administrators, technology designers, and information technology professionals. The Board of Regents approved this emphasis on May 20, 2011. Students were first admitted to this emphasis Fall 2011.

**Enrollment and Revenue Data**

		Prior to Program Implementation		Year 1 (2011-12)		Year 2 (2012-13)		Year 3 (2013-14)	
		Est.	Actual	Est.	Actual	Est.	Actual		
<b>Departmental/Unit Enrollment and Staffing Data</b>									
Total Department Student FTE (Based on Fall Third Week Data)	250	n/a	287	n/a	322	n/a	358		
Total Department Faculty FTE (A-1/S-11/Cost Study Definition)	9.3	n/a	10.1	n/a	9.1	n/a	12.6		
Student FTE per Faculty FTE (from Faculty FTE and Student FTE above)	26.88	n/a	28.42	n/a	35.38	n/a	28.41		
<b>Program Level Data</b>									
Total Number of Declared Majors in Program	X	n/a	124	n/a	133	n/a	145		
Total Number of Program Graduates	X	n/a	18	n/a	20	n/a	33		
<b>Departmental Revenue</b>		<b>Est.</b>	<b>Actual</b>	<b>Est.</b>	<b>Actual</b>	<b>Est.</b>	<b>Actual</b>		
Total Revenue to Department (Total of Funding Categories from	\$975,307	n/a	\$1,186,471	n/a	\$1,598,326	n/a	n/a		

R401 Budget Projection Table)							
<b>Departmental Instructional Cost per Student Credit Hour (per Institutional Cost Study Definition)</b>	156.37	X	162.10	X	172.80	X	n/a

\*Student headcount and graduates are not tracked for emphasis numbers. Numbers reported reflect all of Information Systems majors and graduates.

### **Institutional Analysis of Program to Date**

Prior to Fall 2011, Information Systems students could not select an emphasis. Information Systems students assigned to the 2011-2012 catalog year or later must select an emphasis. The Healthcare Information Systems (HIS) emphasis has grown from five majors in Fall 2011 to 19 majors in Fall 2013. Therefore, the enrollments indicate a growing demand for students interested in this emphasis. The number of HIS graduates was five for the 2013-2014 academic year. The Department and institution need to market this emphasis to graduate enough students to meet the increasing job market in Utah.

As of the Spring 2014 semester, the department has 13 full-time faculty members. Of these, five faculty members' teaching loads are devoted primarily to Information Systems classes, and five faculty members each teach one required course in the Information Systems program. One full-time faculty member teaches two required HIS classes, and another faculty member teaches one required HIS class. Other Information Systems faculty would need training to be able to teach HIS classes. Professional development funding has increased over the past four years; however, the funding is minimally adequate to keep Information Systems faculty up-to-date in the field. Additional funding for Professional Development and training would be helpful to maintain the faculty members' ability to be on the forefront of knowledge and skills in Information Systems.

The University has hired a new tenure-track Information Systems and Technology faculty member to start Fall 2014. This person will teach three core courses in the Information Systems program, which will help reduce the adjunct ratio temporarily. As the number of Information Systems majors continues to increase, the adjunct ratio will increase again, creating a weakness as to the percentage of courses taught by full-time faculty. An additional faculty member versed in Healthcare Information Systems will be needed if the number of students with the HIS emphasis continues to grow.

The Information Systems and Technology Advisory Board, consisting of industry leaders, provide strong support and feedback in the Information Systems curriculum, including courses specific to the Healthcare Information Systems emphasis. Two board members were specifically selected because they work in information systems within the healthcare industry.

Information Systems courses are primarily taught in three computer labs. The labs are funded through student-paid lab fees and supplemented by funding from the College of Technology and Computing. The number of computer labs has been sufficient; however, scheduling additional sections to accommodate the growing demand becomes increasingly challenging. Although the computer labs have some available times in the mornings, the majority of the Information Systems student population demands late afternoon and evening classes to accommodate their work schedules. As the number of Information Systems majors increases, additional computer labs will be needed.

### Employment Information

Term Graduated	Graduate School	Employed in Field	Employed Other	Unknown
2011-2012	Unknown	18		
2012-2013	Unknown	20		
2013-2014	Unknown	33		