



IT INNOVATION

Do people often mention how creative you are? Does the possibility of becoming an entrepreneur excite you? Or does the idea of working for a company that needs creative thought appeal to you? If you said yes, you could be a candidate to major in IT Innovation (ITIN). IT Innovation gives you a strong background in Information Technology (Computer Science and Management Information Systems) and the flexibility to delve into a practice area you choose while preparing for entrepreneurship or intrapreneurship. As an IT Innovation major you choose 33 credit hours of courses that are aligned with the practice area that interests you.

THE IT INNOVATION PROFESSION

What do IT Innovation Professionals do?

- Engage in research in search of innovative solutions
- Employ technology to solve real problems
- Invent, design, and develop new tools
- Communicate and negotiate
- Lead design and development teams
- Lead innovation teams
- Modify existing tools to fulfill unique needs
- Change the future
- Bring people together

How do they do it?

- By continually looking for products and innovations to support decision makers
- By having the skills, culture, spirit, and desire to discover and create new products
- By understanding the importance of combining design, rapid development, and time to market
- By having the mindset to design and develop tools to solve real problems for real people
- By searching for the next big IT business opportunity
- By designing and developing new IT tools for application in specialty areas such as medicine, chemistry, food, financial services, and more
- By always looking for new business opportunities
- By always being on the alert for product breakthroughs that can be the next big winner
- By understanding the meaning, consequences, and benefits of practicing entrepreneurship

Example Job Titles

- New Product Designer/Developer
- Applications Designer
- Product Innovation Specialist
- Information Designer
- Innovation Consultant
- Video Game Designer
- Innovation Evangelist
- Interaction Designer
- IT Researcher
- New Ventures Specialist
- Graphics/Web Designer
- IT Applications Consultant

Resources

- The Kauffman Foundation | kauffman.org
- Innovation: Government v. Commercial Websites | <http://govinfo.sla.org/2009/06/26/innovation-government-v-commercial-websites/>
- Entrepreneur | entrepreneur.com
- Thinking.net/Creativity/creativity.html
- Idea Café | businessownersideacafe.com

BACHELOR OF SCIENCE IN IT INNOVATION

What courses do I need?

The College of Information Science & Technology requires completion of a minimum of 120 credit hours which include the following courses:

General Education Requirements

English	9 credit hours
Public Speaking	3 credit hours
College Algebra or test out	3 credit hours
Natural Science	7 credit hours
Humanities	9 credit hours
Social Sciences	9 credit hours
US and Global Diversity*	6 credit hours

Math Requirements – 6 to 8 hours

MATH 2030	Discrete Math and
MATH 1930	Calculus for Managerial, Life, and Social Sciences
	OR
MATH 1950	Calculus I

Area of Emphasis - 33 hours

IT Innovation students choose 33 credit hours in an area of emphasis specialty specific to their interests and goals. Before the end of their second year, ITIN students prepare and deliver an oral, visual and written proposal demonstrating how their area of emphasis and selected courses will support their career goals; a review committee approves or recommends changes to the proposal.

* US and Global Diversity courses can also satisfy Humanities and Social Science requirements.

** CYBR 1100 also applies toward the Global Diversity requirement.

*** CIST 2100 also applies toward a Social Science requirement.

¹ CIST 3110 also applies toward a Humanities requirement.

IS&T Requirements - 48 hours

CYBR 1100	Intro to Information Security**
CIST 1400	Intro to Computer Science I
CSCI1620	Intro to Computer Science II
CSCI 2240	Intro to C Programming
CIST 2100	Organizations, Applications & Technology***
CIST 2500	Intro to Applied Statistics for IS&T
CIST 3110	IT Ethics ¹
ISQA 3310	Managing the Database Environment
ITIN 1010	Activating Innovation in Society
ITIN 1110	Intro to IT Innovation
ITIN 2220	Applied IT Innovation
ITIN 2990	IT Innovation Symposium (* 3hrs.)
ITIN 3330	Product Design and Development
ITIN 4440	Agile Development Methods
ITIN 4980	IT Innovation Capstone Project Part I
ITIN 4990	IT Innovation Capstone Project Part II

Electives – 2 to 5 hours