

**MSIS Curriculum: 18 Core Credits / 12 Elective Credits**

**Core Curriculum – 18 credits**

IS 6420	Database Theory and Design	3
IS 6410	Information Systems Analysis and Design	3
IS 6640	Networking and Servers	3
OIS 6660	Project Management	3
IS 6471	Emerging Web Technologies and Strategies	3
IS 6596	Capstone Project – Analysis and Planning	1.5
IS 6597	Capstone Project – Execution and Presentation	1.5

**Recommended Electives – 12 credits from any category**

IS 6850	Mobile Applications	3
IS 6615	Data Structure and Java	3
IS 6465	Web Based Applications	3
OIS 6500	VBA for Excel	1.5
IS 6570	IT Security	3
IS 6571	IT Forensics	3
ACCTG 6520	IT Risks and Controls	3
IS 6480	Data Warehousing	3
IS 6484	Advanced Data Management	3
IS 6580	Web Analytics	3
OIS 6040	Data Analysis and Decision Making	1.5
OIS 6482	Introduction to Data Mining	3
OIS 6450	Business Process Simulation	3
OIS 6425	Six Sigma for Managers	3
OIS 6610	Practical Management Science	3
OIS 6620	Supply Chain Management	1.5

**Areas of Expertise:**

- Web/Development
- Database Management and Analytics
- Security
- Operations Management

As the Information Systems curriculum evolves, elective offerings may vary by year.

Please note that these are not formal concentrations. Rather, these areas are guidelines designed to aid students in picking classes that pertain to their IT interests. Additionally, students have the option to choose any combination of elective classes across any of the areas of expertise.

**Program Description**

The David Eccles School of Business Master of Science in Information Systems (MSIS) program is designed to provide advanced IT training for individuals seeking the skills necessary to manage the technology of business.



Companies in the private and public sectors need information systems (IS) executives, analysts and specialists with

business and technology knowledge to align information technology with business strategies. Our information systems curriculum is designed to offer courses that integrate technology into business processes.

The MSIS program offers students advanced graduate specializations in a variety of today's hottest IT fields, including:

Mobile applications
Business intelligence
IT security
Systems analysis and design
Project management
Web analytics
Database administration

Each specialization offers University of Utah students a unique advantage that will prepare them for high-level leadership positions in major corporations.

**Degree Requirements:** 30 credit hours

**Program Format**

The MSIS program at the University of Utah is offered in a full-time and part-time format. Students can take as many or as few classes as needed to fit the program into their lifestyle and schedule.

**Full-Time** – The MSIS program can be taken in a full-time format, which takes on average three semesters to complete.

**Part-Time** – The MSIS program can also be taken in a part-time format to meet the needs of working students. All necessary classes are offered in the evening so students can keep their full-time jobs. The part-time program takes an average of five to six semesters to complete.

**Master of Science Requirement** – MSIS students must complete a capstone project for graduation. This project satisfies the MSIS degree science requirement. A Master's thesis is not required.

**Class Availability** – IS courses are offered both during the day and evening to accommodate the diverse schedule needs of our students. Once admitted, we recommend making an appointment with our MSIS academic advisor to map out a course of study that will match your needs with class schedules.

**Enrollment Options** – Fall and Spring semester

## 2012 ADVISORY BOARD



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## Program Highlights

### 1) Flexible Class Schedule

The MSIS program gives students the option to complete all classes in the evening, making the program work for any schedule.

### 2) Education Relevant to the IS Job Market

One of the most significant benefits of our MSIS program is the continued evolution of the program curriculum. We keep a careful pulse on the industry, relying on feedback from industry recruiters and students to ensure that classes and topics covered are current and will keep you competitive in the field. Classes cover a broad range of topics including mobile applications, business intelligence, IT security, systems analysis and design, project management, web analytics, and database administration. The comprehensive curriculum provides students with marketable and in-demand skills, designed to improve job prospects upon graduation.

**The top 5 certifications currently being pursued by students are the CCNA, MCTS/MCITP, CAPM, CompTIA series, and the LPIC.**

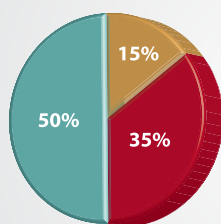
Students can tailor the MSIS program directly to their interests and career goals. In addition to the many elective classes offered, students have the option to pursue special topics and earn credit through independent study options. Additionally, many of our students frequently pursue IT certifications while in school. Not only do certifications provide invaluable tools that strengthen your professional background, but elective credit can be earned for completing certifications, as well.

The curriculum includes a capstone project, which students work on over multiple semesters during the program. Graduates leave the program with hands-on, real world experience that is valued in the marketplace.

All MSIS students are given Microsoft Developer Network Academic Alliance (MSDNAA) access while enrolled at the University of Utah. This is a \$30,000 software package, providing students a valuable opportunity to develop their skills and portfolio.

**Recent graduates of the program report an average starting salary of \$69,500.**

### Employment Statistics



- **Management and Technology Liaisons (Project Managers, Analysts)**
- **Infrastructure (System designers, network administrators)**
- **Developers**

### 3) Gateway to High Growth Industry

As job security becomes more important, a degree from the David Eccles School of Business in the field of Information Systems could not be more valuable. With an anticipated 30 percent growth in the IT industry by 2016, an MSIS degree in a state with a leading IT market will give your career a boost.

The tech market is rapidly growing in Utah, and nationally recognized companies are acknowledging the growth by moving here. Companies such as eBay, Adobe, Goldman Sachs, and EMC have headquarters only minutes away from the University of Utah, meaning our graduates have more local job opportunities than ever.

The following companies are actively hiring and engaged in recruiting out MSIS students:

**Intermountain Healthcare | eBay | Adobe | iCrossing**

**Goldman Sachs | inContact | SPS | Backcountry.com**

**TEK Systems | Ampain | STG | LDS Church | Overstock.com**

**Western Governors University | Discover | Zions Bank | eVault**

**Academy Mortgage | Usana | Various small organizations**

### 4) Access to Opportunity

The MSIS program is designed to provide students with the skills and competitive advantage they need to be successful in the IT industry. We understand there is more to learn beyond what is taught in the classroom. In addition to the high caliber academics the MSIS program offers, we also strive to provide a variety of networking opportunities to encourage student engagement, learning and growth.



**Networking:** We recognize that networking is one of the most powerful tools in finding and securing a great job, which is why it is one of the primary focuses for the MSIS program.

One of the greatest networking resources you will find are your fellow students. With the average professional work experience of our students at almost 6 years, each of your peers serves to expand your personal network and enrich your classroom experience.

We encourage students to join us in the University of Utah MSIS Program LinkedIn group. This group is open to current and prospective MSIS students, as well as alumni, industry partners, and MSIS staff. As a prospective student, this is a great forum to gain first-hand insight about the program and have some of your questions regarding the program answered. For current students, the LinkedIn group is a platform to actively engage with fellow classmates, share job postings, form capstone groups, and network with the IS community. Request an invitation at <http://www.linkedin.com/groups?gid=3989225>.

**Advisory Board:** Senior-level executives form our advisory board. This select group of industry leaders helps design our curriculum, ensure that the program is relevant to the MSIS industry, expand our program network, and provide incredible exposure to the industry for students.

## MSIS Capstone Project

MSIS students work over multiple semesters on a capstone project. This project is required for graduation and accounts for a total of 3 core curriculum credits. It also satisfies the MSIS degree science requirement. Graduates leave the program with hands-on, real-world experience that is valued in the marketplace. Students form two-to-five person teams, and design a project that benefits either the University of Utah or an outside organization. Past graduates have worked with companies including Blue Coat Systems, the Digital Ranch, and Qazztek on projects that deliver real results and lasting impact. To read more about our graduates' capstone projects, please visit our website at [www.business.utah.edu](http://www.business.utah.edu).

## TEK Information Systems Club

TEK club is open to all students with an interest in the intersection of business and technology, also known as information systems (IS). Club members have the opportunity to participate in a wide variety of IS-related activities throughout the year. These activities are designed to help members increase their understanding of IS career options, develop IS skills, get to know others in the IS field, and prepare for a successful job search. Specific examples include skill and career workshops, state and national competitions, company visits, and networking events. Industry leaders work with the club to provide information about the latest technology and career trends.

## How much coding is involved in the MSIS Degree?



MSIS students focus on using applications, not building them. This is not a degree for coders or developers; rather, it is a degree for individuals who want to put technical skills to work to help businesses improve process, increase security, and create value. A background in computer science or programming is not necessary for successful completion of the MSIS degree.

## Elective Highlights

### Mobile Applications: IS 6850-001

Understanding the fundamentals of mobile software and development is vital to a successful career in Information Systems. This course examines the software behind mobile applications, giving students hands-on exposure in building web and native device applications.

### Web Analytics: IS 6850-002

This course focuses on tracking web site activity through JavaScript web beacons and analyzing the resultant data to optimize a web site. Students will be given access to an enterprise class web analytics tool called Adobe SiteCatalyst. We will also focus on implementation and coding; only rudimentary HTML knowledge is required.

## Program Corequisites

IS 4410 / Introduction to Information Systems

## MSIS Fast Track Program

Applicants that qualify for our Fast Track Application Process earn the right to waive the GMAT/GRE and 2 letters of recommendation.

The David Eccles School of Business application and essays are still required.

To be eligible for the Fast Track program, applicants must meet the following criteria:

- All seven of the upper Division IS courses must have been taken at the University of Utah. Equivalents at other institutions are not accepted. Level 6000 equivalents at the University of Utah are accepted.

IS 4410
IS 4415
IS 4420
IS 4430
IS 4440
IS 4460
IS 4470 or IS 4480

- Maintain a GPA of 3.5 or better in upper division Information Systems courses. At least four upper division IS courses must be completed at the time of application.
- Maintain a minimum overall undergraduate GPA of 3.4

## IT Leadership Status Application

The GMAT/GRE requirement may be waived for applicants who have five or more years of IT management or subject matter expertise. The MSIS Program Director will make all evaluations on whether candidates meet IT Leadership status. The School of Business application, recommendations and essays are still required for IT Leadership applicants. To request IT Leadership consideration, please e-mail [mastersinfo@business.utah.edu](mailto:mastersinfo@business.utah.edu). Please include your professional resume.

## Program Scholarships

All admitted students are given the opportunity to apply for merit-based financial aid. Notification of how to apply for scholarships and graduate assistantships will be provided with admission into the program. No separate application process is necessary at the application stage.

Other forms of financial aid are available for domestic graduate students. Please call the University Financial Aid and Scholarships Office at 801-581-6211 or visit <http://www.sa.utah.edu/finance/>.

## MSIS Class Profile – Fall 2012

Average GMAT	603
Average Undergraduate GPA	3.45
Average Professional Work Experience	5.84 yrs
Average Age	29.5
Program Size (2012 overall)	94

*"The capstone project was one of the best learning experiences I've ever had. It was the first time that I got to work on a university project that was so applicable to a real-world setting. I also met some great people who are now both great professional contacts and great friends. The knowledge, experience, and networking were all great reasons to complete the program, and the best part was that I started experiencing the benefits of having a master's degree immediately after graduation."* – Chris Candilora, Class of 2011, Vault Administrator, i365



## REQUIREMENTS AT A GLANCE (✓)

1. School of Business online application
2. GMAT test score
3. Transcripts / 3.0 GPA
4. Two letters of recommendation
5. Essays
6. Resume

## Admission Requirements

- Bachelor's degree
- Undergraduate GPA of at least 3.0
- GMAT test score
- International students: TOEFL 600 minimum score paper-based test or 100 internet-based test / IELTS minimum score: 7.0
- Quantitative Proficiency Requirement: Admitted applicants achieving less than the fiftieth percentile on their GMAT quantitative section will be required to complete an approved quantitative skills course prior to the start of the program.

### 1. SCHOOL OF BUSINESS ONLINE APPLICATION

#### David Eccles School of Business online application

Find our online application at [www.business.utah.edu/mastersapplication](http://www.business.utah.edu/mastersapplication)

- We recommend submitting this application at least 2 weeks prior to program deadlines.
- The online application will ask for personal information such as your address, Social Security number, date of birth and questions used to determine residency status.
- If you would like more information about determining your residency status, please find resources at: <http://www.sa.utah.edu/admiss/appdownload/residencyGuidelines.pdf>

### 2. GMAT OR GRE TEST SCORE

An official GMAT or GRE test score is required for all graduate applications to the MSIS program.

On average, it takes 2 weeks for us to receive official GMAT scores. You are welcome to submit unofficial scores via e-mail, but applications will not be formally reviewed without official scores.

#### GMAT / GRE Minimums

There are no minimum GMAT or GRE scores required for application to our graduate programs. Applicants are encouraged to meet overall graduate program GMAT averages (590 - 630) but all application materials are evaluated to determine the strength of the application. Key evaluation points include GPA, GMAT / GRE, rigor of undergraduate upper division course work, demonstrated leadership potential, articulated desire to pursue the program (essay) and quality of recommendations.

### 3. TRANSCRIPTS / GPA

(submitted within the online application)

#### Transcripts

The online application will require you to:

1. List all colleges and universities you have attended including the University of Utah, regardless of length of attendance.
2. Upload a copy of your unofficial transcripts from each institution, including the University of Utah. Upon admission, you will be asked to submit official transcripts to the University of Utah Graduate School for verification. Official transcripts from the University of Utah will not be needed at this stage of the process.

#### GPA

A minimum cumulative 3.0 undergraduate GPA is required for admission. If you don't have a 3.0 cumulative GPA, we will accept a 3.0 GPA from the last 60 credit hours taken.

**4. TWO LETTERS OF RECOMMENDATION**  
(submitted within the online application)

**5. ESSAYS**  
(submitted within the online application)

Essays are required for application to the MSIS program. PDF or Word documents up to 600kb are accepted.

**6. RESUME**  
(submitted within the online application)

As part of the online application, you are required to upload a current professional resume. PDF or Word documents up to 600kb are accepted.

## SPRING 2013 APPLICATION DEADLINES

**MSIS Scholarship Round: October 1, 2012**

**Decision Notification: October 29, 2012**

Rolling Admissions Applications will continue to be considered after the Scholarship Round based on space availability. An additional \$30 fee will be charged for any application submitted after November 1, 2012.

Decision Notification: Approximately 4 weeks after application submission

#### International applicants

Last date to apply is September 15, 2012  
Decision Notification: October 29, 2012

## FALL 2013 APPLICATION DEADLINES

**MSIS Scholarship Round: March 1, 2013**

**Decision Notification: April 12, 2013**

Rolling Admissions Applications will continue to be considered after the Scholarship Round based on space availability. An additional \$30 fee will be charged for any application submitted after March 31, 2013.

Decision Notification: Approximately 4 weeks after application submission.

#### International applicants

Last date to apply is March 1, 2013

Decision Notification: April 12, 2013

If you need additional information, please contact us.

Graduate Admissions, 801-581-7785  
[mastersinfo@business.utah.edu](mailto:mastersinfo@business.utah.edu)

## CONTACT US

**MSIS Admissions Coordinator**  
[mastersinfo@business.utah.edu](mailto:mastersinfo@business.utah.edu), 801-581-7785

**MSIS Student Ambassador**  
[msisambassador@business.utah.edu](mailto:msisambassador@business.utah.edu), 801-581-7785

## TUITION/COSTS

Estimated tuition/fees for the MSIS Program are as follows:

**Full-Time / Resident / 3 Semesters \$22,000**  
**Part-Time / Resident / 5 Semesters \$23,800**

Estimates reflect 30 total credit hours taken over the course of 3 or 5 semesters at the current tuition rates (spring or fall 2013). Please note that this is an estimate and tuition rates may increase without notice.