The David Eccles School of Business Master of Science in Information Systems (MSIS) program is designed to provide advanced 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, preparing students to enter the growing market for technology professionals. With a number of Fortune 500 technology companies located in and near Salt Lake City, University of Utah MSIS graduates have access to job opportunities at some of the most prestigious technology corporations.

**DEGREE REQUIREMENTS**

- 30 credit hours

**FLEXIBLE CLASS SCHEDULE**

The MSIS program can be taken in a full-time or part-time format. Full-time students can complete the program in as little as 3 semesters. Part-time students take 4 to 6 semesters to complete the program.

**CLASS AVAILABILITY**

Courses in the MSIS program are offered primarily in the evenings. A limited number of daytime electives are available. Once admitted, we recommend making an appointment with one of our MSIS academic advisors to map out a course of study that will match your needs with class schedules.

**ENROLLMENT OPTIONS**

- Fall, Spring and Summer semesters

**CAPSTONE PROJECT**

MSIS students complete a capstone project prior to graduation to satisfy the Master of Science degree requirement. A master’s thesis is not required.

**AREAS OF SPECIALIZATION**

- Business Intelligence and Analytics
- Software and Systems Architecture
- Product and Process Management
- IT Security

The elective offerings vary from semester to semester. We recommend meeting with an advisor upon admission into the program to determine which electives are available.
### MSIS CORE COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS 6420</td>
<td>Database Theory and Design</td>
<td>3</td>
</tr>
<tr>
<td>IS 6640</td>
<td>Networking and Servers</td>
<td>3</td>
</tr>
<tr>
<td>IS 6482</td>
<td>Introduction to Data Mining</td>
<td>3</td>
</tr>
<tr>
<td>IS 6615</td>
<td>Data Structures and Java</td>
<td>3</td>
</tr>
<tr>
<td>IS 6410</td>
<td>Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>IS 6596</td>
<td>Capstone Project</td>
<td>3</td>
</tr>
</tbody>
</table>

### CURRICULUM SUMMARY

- **Core Credits:** 18
- **Elective Credits:** 12

#### Areas of Specialization:
- Business Intelligence and Analytics
- Software and Systems Architecture
- Product and Process Management
- IT Security

### MSIS AREAS OF SPECIALIZATION

<table>
<thead>
<tr>
<th>ELECTIVE COURSE OPTIONS</th>
<th>Business Intelligence and Analytics (BIA)</th>
<th>Software and Systems Architecture (SSA)</th>
<th>Product and Process Management (PPM)</th>
<th>IT Security (ITS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS 6480</td>
<td>Data Warehousing (3)</td>
<td>IS 6465 Web Based Applications (3)</td>
<td>OIS 6660 Project Management (3)</td>
<td>IS 6484 Advanced Data Management (3)</td>
</tr>
<tr>
<td>IS 6483</td>
<td>Advanced Data Mining (3)</td>
<td>IS 6484 Advanced Data Management (3)</td>
<td>IS 6850 IT Leadership and Strategy (3)</td>
<td>IS 6570 IT Security (3)</td>
</tr>
<tr>
<td>IS 6485</td>
<td>Digital Analytics (3)</td>
<td>IS 6570 IT Security (3)</td>
<td>OIS 6621 Operations Strategy (1.5)</td>
<td>IS 6571 IT Forensics (3)</td>
</tr>
<tr>
<td>IS 6580</td>
<td>Data Science and Big Data (3)</td>
<td>IS 6741 Emerging Web Technologies and Strategies (3)</td>
<td>OIS 6610 Practical Management Science (3)</td>
<td>ACCTG 6520 IT Risks and Controls (3)</td>
</tr>
<tr>
<td>OIS 6040</td>
<td>Data Analysis and Decision Making I (1.5)</td>
<td>IS 6850 Mobile Applications (3)</td>
<td>OIS 6620 Supply Chain Management (1.5)</td>
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</tr>
<tr>
<td>OIS 6041</td>
<td>Data Analysis and Decision Making II (1.5)</td>
<td>IS 6641 Cloud Infrastructure and Services (1.5)</td>
<td>OIS 6450 Business Process Simulation (3)</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>OIS 6500 VBA for Excel (1.5)</td>
<td>OIS 6425 Six Sigma for Managers (3)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OIS 6040 Data Analysis and Decision Making I (1.5)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>IS 6550 Healthcare IT (1.5)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note that it is not required for students to choose an area of emphasis for their MSIS degree. Students can choose courses from any concentration to meet the required 12 credit hours of elective courses.

### MSIS PROGRAM OF STUDY

The course sequence will change depending on which semester students start the program. Core options may vary each semester.

#### FALL
- IS 6420 Database Theory & Design 3
- IS 6640 Networking & Servers 3
- IS 6596 Capstone Project 1
- Elective 3
- **Total Credits** 10

#### SPRING
- IS 6482 Introduction to Data Mining 3
- IS 6615 Data Structures & Java 3
- IS 6596 Capstone Project 1
- Elective 3
- **Total Credits** 10

#### SUMMER
- IS 6410 Systems Analysis & Design 3
- IS 6596 Capstone Project 1
- Elective 3
- **Total Credits** 10

The above program of study represents a sample schedule for an incoming full-time student. Please note that it is not mandatory to take 10 credits per semester.
**STEM EXTENSION**

The MSIS program is a STEM-designated degree program (computer and information sciences 11.0401). This STEM program allows graduates on an F-1 visa to obtain an extension of their existing post-completion OPT period for up to 17 months, for a maximum period of post-completion OPT of 29 months. Restrictions and exceptions apply. For complete eligibility requirements and more information please visit [www.gpo.gov/fdsys/pkg/FR-2008-04-08/html/E8-7427.htm](http://www.gpo.gov/fdsys/pkg/FR-2008-04-08/html/E8-7427.htm).

**INTERNATIONAL STUDENTS**

**MSIS CAPSTONE PROJECT**

MSIS students complete a capstone project as the culmination of their degree. The capstone project is designed as an opportunity for students to gain hands-on experience by completing a complex information systems project with the guidance of an IS faculty member. Completed over 3 semesters in the program, the capstone course is worth 3 credit hours.

**PROJECT TYPES**

**Structured Projects**

Students who choose to complete a structured project have the option to pursue one of a few dozen approved IT certifications or complete an intense research project in one of the program areas of focus. Note that structured project options may have pre- or co-requisite course requirements.

**Sponsored Projects**

Students who pursue a sponsored project work in groups of 3-5 to complete initiatives set by a professional sponsor, such as a small or large business or non-profit organization. Students conduct research and make recommendations to improve their sponsor’s IS practices, and, if approved, implement their solutions.

**Entrepreneurial Projects**

Students who complete an entrepreneurial project create a new business idea and participate in the Utah Entrepreneur Series through the Lassonde Entrepreneur Institute. Teams of 3-8 students are mentored by an industry entrepreneur as they submit a business plan to the competition and create a working prototype.

**CAREER MANAGEMENT IN YOUR MSIS CURRICULUM**

Students complete a career development course as part of the capstone requirement. This course is designed to help students define and develop professional goals, build a personal career action plan, and refine the skills necessary for successful career management during and after the MSIS program. Many students also complete an internship as part of the career development course.

The following subjects are covered in Career Development section:

- How to write an effective resume and cover letter, including strategies for adapting content and format for different positions.
- Mastering the art of networking, including conducting informational interviews, creating an effective LinkedIn profile, elevator pitches, and how maximize career fair opportunities.
- Tools and resources for conducting comprehensive research on companies and individuals, necessary for effective interviewing and networking. Includes suggestions on what type of information to research specific to industry, position, and in some cases, company.
- Interview preparation including group, individual, phone, case study, and other common formats. Includes mock interview preparation.
- Review of the best websites, databases, and resources for finding local and national job postings.
- Success management, including salary and offer negotiations.
- Overview of the value of IT certifications.

**PROGRAM LEADERSHIP**

**Dr. Bradden Blair, MSIS Program Director**

Bradden Blair is the Director of the information systems major and the MSIS program at the University of Utah David Eccles School of Business.

Bradden is a proven product management executive with a passion for new product conceptualization, development, and monetization. His experience includes business planning, market research, and web analytics, as well as product positioning, development, sourcing, and technical integration. He is also an experienced information technologist and an open source technology and agile development advocate.

Bradden holds a PhD from the University of Utah in Health, Promotion and Education, a Graduate Certificate in Biomedical Informatics from the University of Utah School of Medicine, as well as an MBA and Master of Healthcare Administration from the David Eccles School of Business.
CAREER MANAGEMENT FOR MSIS STUDENTS

MSIS students have access to numerous career management resources at the David Eccles School of Business. The MSIS career counselor works to facilitate mutually beneficial connections between students, alumni and corporate recruiters.

We are dedicated to helping students maximize their graduate school investment and succeed in today’s competitive job market by providing career-focused training and resources that complement classroom studies.

Eccles Resource: MSIS Career Counselors

MSIS students have full access to two career counselors at the School of Business. The MSIS career counselors are focused on career management support for MSIS students as well building relationships with local and national employers.

When students start the program, they can work one-on-one with a career counselor for advice on networking, resume writing, creating an elevator pitch and crafting their LinkedIn profile. Students can also meet with their MSIS career counselor to develop their interview skills and work through offer and benefit negotiations.

OPPORTUNITIES OUTSIDE THE CLASSROOM

TEK INFORMATION SYSTEMS CLUB

TEK club is open to all students with an interest in information systems. Club members have the opportunity to participate in a wide variety of IS-related activities throughout the year to help members increase their understanding of career options, develop skills and prepare for a successful job search. Specific examples include career workshops, company visits, and networking events.

LASSONDE ENTREPRENEUR INSTITUTE

MSIS students have the opportunity to be a part of the Lassonde New Venture Development Center, where they can gain hands-on experience in technical product development, commercialization and new business planning. Students exit the program with real-world experience in technology entrepreneurship, ready to meet the tech industry's next challenge.

SORENSON CENTER FOR DISCOVERY AND INNOVATION

The Sorenson Center for Discovery and Innovation was created with the belief that all students have the potential to become investors and innovators if provided the right kind of hands-on, experiential education. With a goal of “liberating the creative genius,” students take courses in innovation and “play in the Sorenson sandbox,” learning how to ideate, invent, and apply design thinking to solving problems.

COMMON JOB TITLES BY AREA OF EMPHASIS

Business Intelligence and Analytics

• Business intelligence analyst
• Data scientist/analyst
• Business intelligence developer
• Database administrator
• Data migration analyst
• Configuration consultant
• Data/cloud architect

Product and Process Management

• Project manager
• Product manager
• Product specialist
• Systems analyst
• Technical consultant
• Supply chain analyst/manager

Software and Systems Architecture

• DevOps engineer
• UX developer
• Software engineer
• Software developer
• Network engineer
• Software tester
• Network administrator

IT Security

• Information security specialist
• IT security consultant
• IT security analyst
CAREER MANAGEMENT

MSIS EMPLOYMENT DATA

85%

PERCENT OF GRADUATES EMPLOYED 3 MONTHS POST-GRADUATION

$75,755

AVERAGE STARTING SALARY OVERALL

EMPLOYMENT STATISTICS

<table>
<thead>
<tr>
<th></th>
<th>Percent Employed</th>
<th>Average Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug-14</td>
<td>89%</td>
<td>$74,715</td>
</tr>
<tr>
<td>Dec-14</td>
<td>75%</td>
<td>$82,071</td>
</tr>
<tr>
<td>May-15</td>
<td>94%</td>
<td>$69,541</td>
</tr>
<tr>
<td>Year Total</td>
<td>85%</td>
<td>$75,755</td>
</tr>
</tbody>
</table>

FALL 2015 CLASS PROFILE

Class Size 95

Average GMAT/GRE 571/309

Average GPA 3.42

Average Age 29

Average Work Experience 5.2 years

Gender 26% F / 74% M

FALL 2015 INTERNATIONAL REPRESENTATION

Percent International Students 37%

Gender 43% F / 57% M

Average Age 26

Countries Represented

- India
- China
- Nepal
- Singapore
- Brazil


EMC, GE Medical, Governor’s Office of Economic Development, Intermountain Healthcare, Remedy Informatics, University of Utah, Williams Company, Health Catalyst, DOMO


SAMPLE OF COMPANIES HIRING INTERNATIONAL GRADUATES (2012-2015)

Accenture, Adobe, ARUP, Goldman Sachs, IM Flash, Tomax, University of Utah, Zions Bancorporation, Remedy Informatics, Infosys, InsideSales.com, Teradyne, Deloitte Consulting, Neoprism Solutions/YouTube

FIND OUT MORE

Check out these websites to discover where the exciting field of information systems and technology is headed:

- Tech Republic, techrepublic.com
- Silicon Slopes, siliconslopes.com
- Utah Tech Jobs, utahtechjobs.com
- Utah Governor’s Office of Economic Development, business.utah.gov
- Utah Technology Council, utahtech.org
- Women Tech Council, womentechcouncil.org
1. **SCHOOL OF BUSINESS ONLINE APPLICATION**
   Find our online application at [http://business.utah.edu/mastersapplication](http://business.utah.edu/mastersapplication).
   We recommend submitting this application at least 2 weeks prior to program deadlines.

2. **GRE/GMAT TEST SCORE**
   An official GRE or GMAT test score is required for all MSIS applications.
   On average, it takes 2-4 weeks for us to receive official GRE/GMAT scores. Note that applications will not be formally reviewed without official scores.

   **GRE/GMAT Minimums:** There are no minimum GRE or GMAT scores required for application. Applicants are encouraged to meet overall program GRE/GMAT averages, but all application materials are evaluated to determine the strength of the application.

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 from all institutions to the University of Utah Graduate School for verification.

   **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**
   The MSIS application requires applicants to upload one statement of purpose essay, describing your intent and goals for the program (submitted within the online application).

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

7. **ENGLISH LANGUAGE PROFICIENCY**
   International applicants must receive a minimum score of 90 on the TOEFL ibt exam or 6.5 on the IELTS exam.

**PROGRAM CO-REQUISITES**

**IS 4410 / Introduction to Information Systems**

**GRE/GMAT SUBSTITUTIONS: IT LEADERSHIP**

Exceptional applicants with five or more years of senior-level experience in IT or operations that includes managerial responsibility can apply for IT Leadership Application Status which will allow for relevant work experience to substitute for the GMAT/GRE requirement. Applicants must have a minimum 3.0 cumulative GPA from an accredited, non-competency based institution. The MSIS Program Director reviews all IT Leadership requests and will determine if a candidate meets the requirements.

Submit your IT Leadership application here: [Submit IT Leadership Application](http://business.utah.edu/)

The GRE/GMAT requirement may also be waived for applicants already holding a doctorate level degree (JD, MD, DDS). Applicants should contact mastersinfo@business.utah.edu to verify eligibility. Recommendations and essays are still required for applicants who receive any type of GMAT/GRE substitution.

**TUITION & COSTS**

<table>
<thead>
<tr>
<th></th>
<th>Full-Time Resident</th>
<th>Part-Time Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$27,650</td>
<td>$30,000</td>
</tr>
</tbody>
</table>

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

Please contact us at mastersinfo@business.utah.edu for more information about non-resident tuition rates and the WICHE program for non-resident students.

**MSIS FAST TRACK PROGRAM — University of Utah IS Undergraduates**

MSIS Fast Track is available for high-achieving University of Utah Information Systems majors. Applicants who qualify for our Fast Track application process earn the right to substitute their GPA for the GRE/GMAT and letters of recommendation requirements on their MSIS application. The online application and essays are still required.

**PROGRAM ELIGIBILITY:**

- Complete seven of eight upper division IS courses with a GPA of 3.5 or better.
- Courses that qualify are IS 4410, IS 4415, IS 4420, IS 4430, IS 4440, IS 4460, and IS 4480

- Upper division courses must be completed at the University of Utah
- Maintain a minimum 3.4 cumulative undergraduate GPA

**HOW TO APPLY:**

Complete a separate Fast Track application online (different from your MSIS admission application). Admissions staff will contact you within 2 weeks with a decision. Note that MSIS Fast Track Application Status does not guarantee admission into the MSIS program.
Priority Scholarship Deadline: August 17, 2015
Final Scholarship Deadline: October 17, 2015

All program applications submitted and complete by the above scholarship deadlines are eligible to receive scholarship consideration.

Scholarships Available for Spring Semester:
- Graduate Fellowships
- Non-Resident Tuition Assistance
- Teaching Assistantships

Limited scholarships may be available for summer enrollment. Students will be notified at the time of admission if any scholarships are open for application.

In Fall 2015, approximately 30% of the incoming class were awarded a scholarship. The average scholarship recipient had a 610-640 GMAT, 3.6 GPA and 2 years of work experience. More awards tend to be available in fall semester than in spring semester.

- **Graduate Fellowships**: A number of graduate fellowships are available each semester. Students are awarded amounts from $1,000-$5,000, directly applied to fall and spring tuition bills. There is not a minimum credit hour requirement.

- **Non-Resident Tuition Assistance**: For students not meeting residency classification, including international students, financial awards are available to cover a portion of the difference between resident and non-resident tuition. These awards are applied directly to your tuition account, and eligible students must be enrolled in at least 9 hours per semester. The award is not applicable for summer semesters when all students pay resident tuition. Please let your admissions coordinator know if you will be classified as a non-resident student as soon as possible so we can assist you in applying for this award. On average, 85% of our non-resident students qualify for this award.

- **Teaching Assistantships**: A limited number of teaching assistantships are available each semester. Students are paid an hourly rate for a set number of hours per week. Assistantship applications will be sent with the scholarship applications to admitted students.

- Amounts and availability of all scholarships are subject to change.

**APPLICATION DEADLINES**

**SPRING 2016**
- Application Open: July 1, 2015
- Applications Reviewed: July 1, 2015 - December 7, 2015
- Domestic Deadline to Submit a Complete Application: December 7, 2015
- Decision Notification for Domestic Submissions: Approximately 4 weeks after application submission

**SUMMER 2016**
- Application Open: July 1, 2015
- Applications Reviewed: July 1, 2015 - April 16, 2016
- Domestic Deadline to Submit a Complete Application: April 16, 2016
- Decision Notification for Domestic Submissions: Approximately 4 weeks after application submission

**FALL 2016**
- Application Open: July 1, 2015
- Applications Reviewed: July 1, 2015 - July 28, 2016
- Domestic Deadline to Submit a Complete Application: July 28, 2016
- Decision Notification for Domestic Submissions: Approximately 4 weeks after application submission

**INTERNATIONAL DEADLINES**

**SPRING 2016**
- Priority International Deadline: July 17, 2015
- Decision Notification for Priority Applicants: August 21, 2015
- After the priority deadline, international applications will continue to be accepted through September 30, 2015.
- Decision Notification: October 30, 2015

**SUMMER 2016**
- Priority International Deadline: October 18, 2015
- Decision Notification for Priority Applicants: November 20, 2015
- After the priority deadline, international applications will continue to be accepted through December 13, 2015
- Decision Notification: January 15, 2016

**FALL 2016**
- Priority International Deadline: January 7, 2016
- Decision Notification for Priority Applicants: February 12, 2016
- After the priority deadline, international applications will continue to be accepted through March 1, 2016.
- Decision Notification: April 7, 2016

**SCHOLARSHIP INFORMATION**

**Priority Scholarship Deadline: August 17, 2015**
**Final Scholarship Deadline: October 17, 2015**

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Scholarships Available for Spring Semester:
- Graduate Fellowships
- Non-Resident Tuition Assistance
- Teaching Assistantships

Limited scholarships may be available for summer enrollment. Students will be notified at the time of admission if any scholarships are open for application.

**APPLICATION & ADMISSIONS**

**CONTACT US**

**MSIS Admissions Coordinator, mastersinfo@business.utah.edu**
801-581-7785

**MSIS Student Ambassador, msisambassador@business.utah.edu**
801-581-7785
The BS/MS Information Systems Co-Terminal Degree is a unique program available to University of Utah IS majors who would like to obtain the MSIS degree immediately following their undergraduate degree. The BS/MS program allows for a seamless, integrated program of study and a pre-screened, expedited MSIS admissions process. Students in this unique combined program begin taking graduate courses in their senior year.

Undergraduate students in the BS/MS program can take up to 12 graduate-level credit hours while still classified as an undergraduate student. Once admitted to the MSIS program and matriculated into graduate status, all BS/MS students are awarded a scholarship (approximately $4,400) as part of the co-terminal program.

BS/MS students have the GMAT/GRE requirement and letters of recommendation waived from their MSIS application and graduate with both their BS and MS Information Systems degrees following the completion of the entire co-terminal program.

Please contact mastersinfo@business.utah.edu to find out more about the BS/MS Co-Terminal Degree.

Application Information: http://msis.business.utah.edu/page/bs-ms-co-terminal-degree

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Application Information: http://msis.business.utah.edu/page/bs-ms-co-terminal-degree

The Graduate Certificate in Information Systems allows students to gain a broad background in information systems, as well as more specialized knowledge in areas such as business intelligence and analytics, software and systems architecture, IT security, and product and process management.

Certificate At-a-Glance

- 18 credit hours
- Maximum flexibility in choosing courses and specializations — all graduate-level IS and OIS courses are accepted toward the certificate
- Courses are available primarily in the evenings to accommodate working professionals
- Certificate credits can cross-count toward a graduate degree / Students from all graduate programs at the University of Utah are eligible to layer the certificate with their graduate degree
- Start in fall, spring or summer semester
- Transfer up to 9 credits toward the MSIS degree should you decide to pursue the master’s program
- Certificate is open to current graduate students as well as those not currently enrolled in a degree program (non-matriculated)

Admission Requirements

- Students must have a minimum overall 3.0 undergraduate GPA (non-matriculated students) or a minimum 3.0 cumulative GPA in their graduate program
- A GMAT/GRE score is not required for admission into the certificate program.
- There are no prerequisites for admission into the program; however, some courses may have individual prerequisites.
- International students are not eligible to apply as non-matriculated students

Application Information: msis.business.utah.edu/page/graduate-certificate-information-systems