

Bachelor of Science in Information Systems composite
—Worksheet & Pre-requisites — 2013-14

| Course # | Course title | Credits | Off'rd | Pre-Requisites |
|--------------------------------------|---|---------|--------|--------------------------------------|
| CSIS COMMON CORE | | | | |
| CSIS 1400 | Fundamentals of Programming | 3 | F/S | MATH 1010 or ACT of 23 |
| CSIS 1410 | Object Oriented Programming | 3 | F/S | CSIS 1400 |
| CSIS 2420 | Into to Algorithms and Data Structure | 3 | F | "C" grade in CSIS 1410 |
| CSIS 2600 | Data Communications and Networking | 3 | S | |
| CSIS 2810 | Computer Organization and Architecture | 3 | S | EET 2780 |
| CSIS 3100 | Systems Analysis and Design | 3 | S | |
| CSIS 3200 | Database Design and Management | 3 | F | CSIS 1000 |
| CSIS 3600 | Operating Systems | 3 | S | CSIS 2420 |
| CSIS 3650 | Network Security | 3 | F | CSIS 2600 |
| EET 2750 | PC Hardware | 3 | F/S | |
| EET 2780 | Digital Electronics I | 3 | F | MATH 1050 |
| MATH 1630 | Discrete Mathematics | 3 | S | MATH 1050 |
| IS REQUIRED CORE | | | | |
| ACCT 2010 | Accounting Principles | 3 | F/S | |
| ACCT 2020 | Managerial Accounting | 3 | F/S | ACCT 2010 |
| MATH 1100 | Applied Calculus | 3 | S | MATH 1050 |
| CSIS 2000 | Web Development | 3 | F/S | CSIS 1000 or ART 2210 |
| CSIS 2620 | Network Administration I | 3 | F | CSIS 1000 & CSIS 2600 |
| CSIS 2670 | Information Security & Assurance | 3 | S | CSIS 2600 |
| CSIS 3050 | Environments of Information Systems | 3 | F | |
| CSIS 4810 | IS Capstone Project | 3 | S | Senior Standing |
| MGMT 3180 | Management and Organizations | 3 | F/S | Jr Standing/Advisor must sign in |
| IS Business Electives (6 hrs) | Choose 2 from: | | | |
| FIN 3250 | Managerial Finance I | 3 | F/S | MATH 1050, MATH 2040 & ACCT 2010 |
| MGMT 3050 | International Business | 3 | F | Advisor must sign in |
| MGMT 4100 | Organizational Behavior and Leadership | 3 | F/S | Advisor must sign in |
| MKTG 3010 | Marketing Principles | 3 | F/S | Jr Standing/Advisor must sign in |
| IS MAJOR ELECTIVES | (12 hrs upper div.) choose 4 from: | | | |
| CSIS 3150 | C and C++ Programming | 3 | F | CSIS 2420 |
| CSIS 3620 | Network Administration II | 3 | S-even | CSIS 2620 |
| CSIS 3660 | Network Design and Implementation | 3 | S-odd | CSIS 2620 |
| CSIS 3700 | Computer Forensics | 3 | F-even | CSIS 2600 or instructor permission |
| CSIS 4540 | Human-Computer Interface | 3 | S-odd | CSIS 1010 or CSIS 2000 |
| CSIS 4700 | Internet Forensics and Cyber Security | 3 | S-odd | CSIS 3700 |
| CSIS 4750 | e-Business Systems | 3 | S-even | CSIS 2000, CSIS 3050 CSIS 3200 |
| ART 3250 | Web Design I | 3 | F/S | CSIS 2000 and approval of instructor |
| ART 4250 | Web Design II | 3 | F | ART 3250 |
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| UNIV 1010 | Introduction to Experiential Education | 1 | F/S/M | |
| UNIV 3924 | EER Proposal | 1 | F/S/M | UNIV 1010 |
| UNIV 4925 | Synthesis and Reflection | 1 | F/S/M | UNIV 3925 |
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| GENERAL EDUCATION | | | | |
| ENGL 1010 | Intro to Academic Writing | 3 | F/S/M | |
| ENGL 2010 | Intermediate Writing | 3 | F/S/M | ENGL 1010 or ACT of 29+ |
| MATH 2040 | Business Statistics | 4 | F/S | ACT of 23 or C in MATH 1010 |
| LM 1010 | Information Literacy | 1 | F/S/M | |
| CSIS 1000 | Intro to Computer Applications | 3 | F/S/M | |
| American Institution | | 3 | F/S/M | |
| FINE ARTS: | | 3 | Varies | |
| HUMANITIES | | 3 | Varies | |
| SOC SCIENCE:CSIS 1010 | E-Commerce in a Global Society | 3 | F/S/M | |
| LIFE SCIENCE | | 3 | Varies | |
| PHYSICAL SCIENCE | | 4 | Varies | |

The CSIS Department accepts transfer credits up to 10 years, due to the rapid change of the industry.
Anything beyond this will be considered on a case-by-case basis.