

Bachelor of Science in Information Systems
Worksheet & Pre-requisites 2017-18

| Course # | Course title | Credits | Off'rd | Pre-Requisites |
|--|---------------------------------------|---------|--------|--|
| CSIS COMMON CORE | | | | |
| CSIS 1400 | Fundamentals of Programming | 3 | F/S | C or better in MATH 1050 |
| CSIS 1410 | Object Oriented Programming | 3 | F/S | CSIS 1400 |
| CSIS 2300 | Discreet Structures | 3 | S | "C" or better in CSIS 1410 |
| CSIS 2420 | Into to Algorithms & Data Structure | 3 | F | "C" grade in CSIS 1410 |
| CSIS 2600 | Data Communications & Networking | 3 | F/S | |
| CSIS 2810 | Computer Organization & Architecture | 3 | S | EET 2780 & CSIS 1410 |
| CSIS 3100 | Systems Analysis & Design | 3 | S | "C" or better in CSIS 2300 |
| CSIS 3200 | Database Design & 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 |
| IS REQUIRED CORE | | | | |
| ACCT 2010 | Accounting Principles | 3 | F/S | |
| CSIS 2000 | Web Development | 3 | F/S | CSIS 1010 |
| CSIS 2010 | Computer Applications | 3 | F/S/Su | CSIS 1000 |
| 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 1010 & CSIS 2000 |
| CSIS 4810 | IS Capstone Project | 3 | S | C in CSIS 2300 & 2420 & 3100 |
| MATH 1100 | Applied Calculus | 3 | S | MATH 1050 or Math ACT of 26 |
| MGMT 3180 | Management & Organizations | 3 | F/S | Jr Standing/ Advisor must override |
| IS Business Electives (9 hrs) Choose 3 from: | | | | |
| ACCT 2020 | Managerial Accounting | 3 | F/S | ACCT 2010 |
| FIN 3250 | Managerial Finance I | 3 | F/S | MATH 1050, MATH 2040 & ACCT 2010 |
| MGMT 3050 | International Business | 3 | F | Jr. Standing/ Advisor must override |
| MGMT 4100 | Organizational Behavior & Leadership | 3 | F/S | Jr. Standing/ Advisor must override |
| MKTG 3010 | Marketing Principles | 3 | F/S | Jr. Standing/ Advisor must override |
| IS MAJOR ELECTIVES (15 hrs upper div.) choose 5 from: | | | | |
| ART 3250 | Web Design I | 3 | F/S | ART 2210 or CSIS 2000 |
| ART 4250 | Web Design II | 3 | F | ART 3250 |
| CSIS 3150 | C and C++ Programming | 3 | F | CSIS 2420 |
| CSIS 3300 | Mobile Application Dev for Android | 3 | S-odd | CSIS 2420 |
| CSIS 3620 | Network Administration II | 3 | S-even | CSIS 2620 |
| CSIS 3660 | Network Design & Implementation | 3 | S-odd | CSIS 2620 |
| CSIS 3700 | Computer Forensics | 3 | F-even | CSIS 2600 or instructor permission |
| CSIS 4300 | Mobile Application Dev for iOS | 3 | S-even | CSIS 2420 |
| CSIS 4540 | Human-Computer Interface | 3 | S-odd | CSIS 2420 |
| CSIS 4700 | Internet Forensics & Cyber Security | 3 | S-odd | CSIS 3700 or departmental permission |
| CSIS 4750 | e-Business Systems | 3 | S-even | CSIS 2000, CSIS 3050 & CSIS 3200 |
| EDGE 1010 | Becoming an Engaged Learner | 1 | F/S/Su | |
| EDGE 30XX | Project Proposal and Planning | 1 | F/S/Su | EDGE 1010 |
| EDGE 40XX | Project Reporting and Reflection | 1 | F/S/Su | EDGE 30XX |
| GENERAL EDUCATION | | | | |
| ENGL 1010 | Intro to Academic Writing | 3 | F/S/Su | |
| ENGL 2010 | Intermediate Writing | 3 | F/S/Su | ENGL 1010 or ACT of 29+ |
| MATH 1040 | Statistics | 4 | F/S | ACT of 21 or C in MATH 1010 |
| American Institution | | 3 | F/S/Su | |
| LM 1010 | Information Literacy | 1 | F/S/Su | |
| CSIS 1000 | Intro to Computer Applications | 3 | F/S/Su | |
| FINE ARTS: | | 3 | F/S/Su | |
| HUMANITIES | | 3 | F/S/Su | |
| SOC SCIENCE:CSIS 1010 | E-Commerce in a Global Society | 3 | F/S/Su | |
| LIFE SCIENCE | | 3 | F/S/Su | |
| PHYSICAL SCIENCE | | 4 | F/S/Su | |

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.