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| **Information Science Program** **8- Semester Curriculum Plan** |
|  | **Freshman Year (First Year)** |
| **Semester 1** | **Course #** | **Title** | **LE-LB-CR** | **Prerequisite** | **Category** |
| ISC 101 | Intro to Inform. Systems | 3-0-3 | ELU 097 | ISC Core |
| ISC 112 | Discrete Structures for Information Sciences | 3-0-3 | ELU 107 | ISC Core |
| ISC 100 | Fundamentals of Personal Computers | 3-2-3 | ELU 097 | GE-General Sciences |
| ELU 126 | Academic Writing & Research Skills | 3-0-3 | ELU 107 | GE-Language & Communication Domain |
| xxx | General Elective (GE) | 3 |  | GE- Culture & Society Domain |
| **Semester 2** | **Course #** | **Title** | **LE-LB-CR** | **Prerequisite** | **Category** |
| ISC 140 | Prog & Problem solving | 3-2-3 | ELU 107 | ISC Core |
| ISC 151 | Information Security and Cryptography | 3-2-3 | ISC 112 | ISC Core |
| MATH 111 | Linear Algebra | 3-0-3 |  | GE-General Sciences |
| CLS 100 | Arabic Language | 3-0-3 |  | GE-Language & Communication Domain |
| HIS 100 | Modern and Contemporary History of Kuwait (or equivalent for non-Arabic speakers) | 3-0-3 |  | GE- Culture & Society Domain |
|  | **Sophomore Year (Second Year)** |
| **Semester 3** | **Course #** | **Title** | **LE-LB-CR** | **Prerequisite** | **Category** |
| ISC 244 | Application Dev & Prog | 3-2-3 | ISC 140 | ISC Core |
| ISC 251 | Enterprise Sys & Archit. | 3-2-3 | ISC 101 | ISC Core |
| ELU 146 | Academic Oral Skills | 3-0-3 | ELU 126 | GE-Language & Communication Domain |
| CLS 109 | Statistics | 3-2-3 | ELU 097 | GE-General Sciences |
| xxx | Minor (1) | 3 |  | xxx |
| **Semester 4** | **Course #** | **Title** | **LE-LB-CR** | **Prerequisite** | **Category** |
| ISC 220 | Database Systems I | 3-2-3 | ISC 140 | ISC Core |
| ISC 230 | IT Infrastructure | 3-3-4 | ISC 101 | ISC Core |
| ISC 245 | Data Structures & Algorithms | 3-2-3 | ISC 244 and MATH 111 | ISC Core |
| CLS 130 | Ethics and Practices | 3-0-3 | ELU 097 | GE- Culture & Society Domain |
| xxx | Minor (2) | 3 |  | xxx |

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| **Information Science Program** **8- Semester Curriculum Plan** |
|  | **Junior Year (Third Year)** |
| **Semester 1** | **Course #** | **Title** | **LE-LB-CR** | **Prerequisite** | **Category** |
| ISC 332 | Network Design, Mgmt. and Security | 3-3-4 | ISC 151 | ISC Core |
| ISC 333 | Secure System Analysis and Design | 3-2-3 | ISC 151and ISC 220 | ISC Core |
| ISC 360 | Project and Change Mgmt. | 3-2-3 | ISC 220 | ISC Core |
| xxx | General Elective (GE) | 3 |  | GE- Leadership Competency Domain |
| xxx | Minor (3) | 3 |  |  |
| **Semester 2** | **Course #** | **Title** | **LE-LB-CR** | **Prerequisite** | **Category** |
| ISC 341 | Web Application Development | 3-2-3 | ISC 245 | ISC Core |
| ISC 342 | IS Development and Maintenance | 3-2-3 | ISC 333 | ISC Core |
| ISC 351 | Information Technology and Cyber Ethics  | 3-0-3 | ISC 220 | ISC Core |
| xxx | Minor (4) | 3 |  |  |
| xxx | Minor (5) | 3 |  |  |
|  | **Senior Year (Fourth Year)** |
| **Semester 3** | **Course #** | **Title** | **LE-LB-CR** | **Prerequisite** | **Category** |
| ISC 452 | IS Strategy and Management | 3-0-3 | ISC 251 | ISC Core |
| ISC 495 | Internship  | 3 | Min 90 credits & Dept Approval | ISC Core |
| ISC 498 | Requirements Development | 3-0-3 | ISC 333and ISC 360 | ISC Core |
| xxx | IS Elective 1 (IS-E) | 3 |  | xxx |
| xxx | Minor (6) | 3 |  |  |
| **Semester 4** | **Course #** | **Title** | **LE-LB-CR** | **Prerequisite** | **Category** |
| ISC 499 | Capstone Project | 3-0-3 | ISC 343and ISC 498 | ISC Core |
| xxx | IS Elective 2 (IS-E) | 3 |  |  |
| xxx | General Elective (GE) | 3 |  | GE-General Sciences |
| xxx | Minor (7) | 3 |  |  |
| xxx | Minor (8) | 3 |  |  |