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| **CSE Master of Information Security Program Curriculum Plan** |

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| Course Name | Credit(s) | 1st semester | 2nd semester | 3rd semester | 4th semester | Remarks |
| SEMINAR | **4** | **V** | **V** | **V** | **V** |  |
| Group【A】 |  | | | | | |
| ALGORITHM DESIGN AND ANALYSIS | **3** | **V** |  |  |  | One out of Four Elective Course |
| ADVANCED COMPUTER NETWORKS | **3** | **V** |  |  |  | Two out of Five Elective Course |
| COMPUTER ARCHITECTURES | **3** | **V** |  |  |  | Two out of Five Elective Course |
| ADVANCED OPERATING SYSTEMS | **3** | **V** |  |  |  | Two out of Five Elective Course |
| Group【B】 |  | | | | | |
| CRYPTOGRAPHY | **3** |  |  |  |  | Three out of Six Elective Course |
| SECURE CRYPTOGRAPHIC PROTOCOLS | **3** |  |  |  |  | Three out of Six Elective Course |
| SECURE PROGRAMMING | **3** |  |  |  |  | Three out of Six Elective Course |
| NETWORK SECURITY | **3** |  |  |  |  | Three out of Six Elective Course |
| DIGITAL SIGNATURE SCHEMES AND APPLICATIONS | **3** |  |  |  |  | Three out of Six Elective Course |
| HACK TECHNOLOGY & COMPUTER FORENSIC | **3** |  |  |  |  | Three out of Six Elective Course |

Note:

1. Minimum credits to graduate: 28
2. No more than 6 Credits from Independent Studies will be included in requirement credits for graduation.
3. Prior to graduation application, students must take at least one course from group A and three courses from group B.
4. In accordance with university-wide graduate school requirements, students must enroll in the course "Academic Research Ethics Education." Without successfully passing this course, students cannot apply for their thesis defense.