

Sample Curriculum for Information Systems & Computer Security (Data Science Option)

Student Name _____

GPA _____

ID # _____

Hours _____

First Year (18 credits)

First Semester	CR
Data Networks & Cloud Computing (ISCS 0504)	3
Statistics with R (ISCS 0510)	3
Information Security (ISCS 530)	3
TOTAL	9

Second Semester	CR
Database Systems (ISCS 0506)	3
Network Security & Management (ISCS 0531)	3
Data Analytics (ISCS 0539)	3
TOTAL	9

Second Year (12 credits)

First Semester	CR
Big Data Analytics (ISCS 0540)	3
Data Mining & Mach. Learning (ISCS 0550)	3
ISCS Elective or Thesis (ISCS)	3
ISCS Elective or Thesis (ISCS)	3
TOTAL	12

The students can choose from any of the following courses as electives:

For non-thesis option:

ISCS 0505: Introduction to Cybersecurity, 2nd Semester, 3 credits

ISCS 0532: Info. Sec. Policy and Risk, 2nd Semester, 3 credits

ISCS 0534: Software Security, 2nd Semester, 3 credits

ISCS 0536: Mobile Security. 1st Semester, 3 credits

ISCS 0537: Computer Forensics, 1st Semester, 3 credits

ISCS 0538: Web Application Security, 2nd Semester, 3 credits

ISCS 0560: Internet of Things, 1st Semester, 3 credits

ISCS 0580: Special Topics, 3 credits

For thesis option:

ISCS 0600: Master's Thesis. 1st and 2nd Semesters, 6 credits