# Digital Forensics Certificate

Department of Mathematical and Digital Sciences
Effective Fall 2018

The Certificate in Digital Forensics would require six (18 credit hours) of the required courses of the Digital Forensics major.  See Table 1 below.  These courses would be adapted to an online offering and to be completed in half a semester.  Offering two courses (in sequence) in the fall and spring semesters, and the summer session would make it possible for a student to earn the certificate in one calendar year taking one course at a time.  The seven week offering would also give students more flexibility in scheduling around their work and other commitments.

Required Courses for the Certificate in Digital Forensics

| | |
|---|---|
| DIGFOR 121 | Digital Forensics File Systems 1 |
| DIGFOR 122 | Digital Forensics File Systems 2 |
| DIGFOR 275 | Introduction to Networks |
| DIGFOR 311 | Security Fundamentals |
| DIGFOR 317 | Digital Forensics Software |
| COMPSCI 317 | Python Programming |

Table 1

A cohort would take two classes, sequentially, each semester.  The schedule of courses for the cohorts, aligned by semester, is given in Table 2.  With this arrangement, a student who missed a course one semester would be able to continue no later than one semester later.  These courses are arranged so that students in a cohort will have courses' prerequisites.  Table 3 shows courses and prerequisites.

| | Fall Cohort | | Spring Cohort | | Summer Cohort |
|---|---|---|---|---|---|
| Fall Semester | | | | | |
| | DIGFOR 121 | | | | |
| | DIGFOR 122 | | | | |
| Spring Semester | | | | | |
| | COMPSCI 115 | | DIGFOR 121 | | |
| | DIGFOR 275 | | DIGFOR 122 | | |
| Summer Session | | | | | |
| | DIGFOR 311 | | COMPSCI 115 | | DIGFOR 121 |
| | DIGFOR 317 | | DIGFOR 275 | | DIGFOR 122 |
| Fall Semester | | | | | |
| | *DIGFOR 121\** | | DIGFOR 311 | | COMPSCI 115 |
| | *DIGFOR 122\** | | DIGFOR 317 | | DIGFOR 275 |
| Spring Semester | | | | | |
| | *COMPSCI 115\** | | *DIGFOR 121\** | | DIGFOR 311 |
| | *DIGFOR 275\** | | *DIGFOR 122\** | | DIGFOR 317 |

*\*Italicized courses are for the second fall and spring cohorts*
Table 2

Course Prerequisites

| Course | | Prerequisite |
|---|---|---|
| DIGFOR 121 | Digital Forensics File Systems 1 | None |
| DIGFOR 122 | Digital Forensics File Systems 2 | DIGFOR 121 |
| DIGFOR 275 | Introduction to Networks | DIGFOR 122 or COMPSCI 122 |
| DIGFOR 311 | Security Fundamentals | DIGFOR 275 |
| DIGFOR 317 | Digital Forensics Software | DIGFOR 122 |
| COMPSCI 115 | Python Programming | None |

Table 3