

## IT Forensics and Security

► **Contact Information**

John Kroshus, associate professor  
john.kroshus@ndscs.edu  
701-671-2115  
NDSCS-Fargo 138

► **Delivery Methods**

Face-to-Face: Fargo  
Online: Some Classes  
Combination

Course Code	Course Title	Credits
CIS 128	IT Essentials I	3
CIS 129	IT Essentials II	3
CIS 164	Networking Fundamentals I	4
CIS 241	IT Forensics I	4
CIS 242	IT Forensics II	4
CIS 280	Fundamentals of Network Security I	4
CIS 282	Computer System Security	4
CIS 284	Managing Network Security	4
ENGL/COMM	Elective	3
FYE 101	Science of Success	1
PHIL 210	Ethics	3
<b>Total Required Credits</b>		<b>37</b>

More and more crimes are committed with the aid of computers. Whether they are used in the commission of the crime, as in email harassment or stalking, or used for keeping records of illegal activities such as gambling and embezzlement, the computer must be seized and analyzed. This program will help you learn how to provide a secure computer environment and learn techniques for collecting and analyzing IT-related evidence.

This certificate provides a foundation for IT Forensics and Security. The certificate program will provide an immediate basis for professionals employed in the high-tech industry to improve their ability to counter threats to information systems, thereby increasing their value to organizations that employ them, and ensuring computer systems under their care are protected. A peripheral objective is to provide an opportunity for new or recent graduates to acquire advanced skills in IT Forensics and Security.

Specifically it will meet the following objectives:

- Foster a high-quality, student centered education.
- Provide students with a broad overview of the field and introduce them to recent advances and current research problems.
- Emphasize ethical, economic, social, and legal impacts of IT Forensics and Security technologies.
- Provide a foundation for the development of IT Forensics and Security.
- Provide our students with ability to counter threats to information systems and provide appropriate "after incident" responses.

A satisfactory criminal background check will be required prior to admission into this curriculum. The applicant must visit with the department chair regarding this issue.

### Admission Requirements\*

The applicants must be high school graduates or equivalent. Also, students must meet the prerequisites or obtain department approval for admission into the certificate program.

A satisfactory criminal background check will be required prior to admission into this curriculum.

Required minimum placement scores:

<u>ACT</u>	<u>ACCUPLACER</u>	<u>ACCUPLACER</u>
Composite – 17	Reading Comp – 85	<u>NEXT GENERATION</u>
	WritePlacer – 5	Reading – 256
	Elementary Algebra – 41	Writing – 250
		QAS – 237

Or transfer equivalencies will apply as appropriate

Applicants not meeting the above requirements are encouraged to visit with the academic counselor at 701-671-2263 or the ICT department chair at 701-671-2496 for strategies to meet the admission requirements.

*\*Program Admission Requirements are subject to revision. Please check the department or program website under Program Admission Requirements for current information.*

### Award

Upon successful completion of the required courses, students will be awarded a certificate in Information and Communications Technology with an emphasis in IT Forensics and Security.