

# TELECOMMUNICATIONS FORENSICS AND SECURITY GRADUATE CERTIFICATE

**Banner Code:** VS-CERG-TFAS

3100 Nguyen Engineering Building  
Fairfax Campus

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Website: volgenau.gmu.edu/program/view/20548

Telecommunications Forensics and Security certificate program offers courses on analyzing digital evidence, intrusion forensics and network analysis. This graduate certificate program is designed for those who are working in or planning to work in digital forensics and cyber analysis but do not want to complete requirements for a master's degree in the field. The certificate may be pursued on a part-time or full-time basis. The certificate may also be pursued concurrently with any of the graduate degree programs in the Volgenau School.

## Electives

Code	Title	Credits
Select 6 credits from the following:		
ISA 562	Information Security Theory and Practice	6
TCOM 660	Network Forensics	
TCOM 661	Digital Media Forensics	
TCOM 662	Advanced Secure Networking	
TCOM 663	Operations of Intrusion Detection for Forensics	
TCOM 664	Incident Response Forensics	
<b>Total Credits</b>		<b>6</b>

## Admissions & Policies

### Policies

For all policies governing Graduate Certificates, please see AP6.8 Requirements for Graduate Certificates (<http://catalog.gmu.edu/policies/academic/graduate-policies/#text>).

## Requirements

### Certificate Requirements

Total credits: 15

This certificate may be pursued on a full-or part-time basis.

### Core Courses

Code	Title	Credits
TCOM 562 or ISA 562	Network Security Fundamentals Information Security Theory and Practice	3
TCOM 515 or TCOM 561	Internet Protocol Routing: Lecture and Laboratory Course Security, Privacy, and Applied Cryptography for Telecommunications	3
Select one from the following:		3
TCOM 660	Network Forensics <sup>1</sup>	
TCOM 661	Digital Media Forensics <sup>1</sup>	
TCOM 663	Operations of Intrusion Detection for Forensics <sup>1</sup>	
TCOM 664	Incident Response Forensics <sup>1</sup>	
<b>Total Credits</b>		<b>9</b>

<sup>1</sup> May not be taken twice for credit. If any of these courses is taken in the core element, it cannot be taken again in the elective element.