

# *IP Telephony Systems, Graduate Certificate*

The Graduate Certificate in IP Telephony Systems focuses on the fundamental knowledge in communications, IP networks and protocols, media transport, and signaling as preparation to developing expertise into ongoing developments in VoIP networks and services, the IP Multimedia Subsystem (IMS), unified communications, and video networks.

The four-course graduate certificate requires that three TNET core technical courses be taken along with a specified fourth course. With the approval of the certificate director, one of the core courses may be waived with another technical course taken in its place. Unified Communications and Collaboration (TELE 6350) may not be waived under any circumstance.

*Note:* Master of Science in Telecommunication Systems Management/Telecommunication Networks students are not eligible for this graduate certificate.

## **Program Requirements**

### **Core Requirements**

Complete all courses and requirements listed below unless otherwise indicated.

<b>Code</b>	<b>Title</b>	<b>Hours</b>
TELE 5330 and TELE 5331	Data Networking and Lab for TELE 5330	4
TELE 5350	Telecom and Network Infrastructure	4
TELE 5360	Internet Protocols and Architecture	4
TELE 6350	Unified Communications and Collaboration	4

### **Program Credit/GPA Requirements**

16 total semester hours required

Minimum 3.000 GPA required