The Network Engineering Track is built for students with a technical undergraduate degree in engineering or computer science who want to pursue a career in the design, implementation, and operation of broadband data networks. At the heart of this track there are several challenging courses in the Telecom Lab Facility that provide students with hands-on work in testing, simulations, and networking research. In addition, the track prepares students to successfully complete important certifications from network equipment vendors that supplement and demonstrate proficiency in the operation of their equipment. The Interdisciplinary Telecom Program ITP master’s degree also provides students the necessary business, economics, and policy courses in telecommunications to provide knowledge needed for future career advancement.

BE A LEADER IN NETWORK ENGINEERING

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A DEGREE IN TELECOM PREPARES YOU FOR CAREERS WITHIN

// FORTUNE 500 COMPANIES OFFERING BROADBAND APPLICATIONS
// CLOUD/CONTENT PROVIDERS
// DATACENTER OPERATIONS
// BROADBAND NETWORK PROVIDERS
// NETWORK EQUIPMENT MANUFACTURERS

After graduation, you’ll have the skills needed to:

// Design, build and operate network solutions for enterprises LANs, Internet Service Providers and Cloud/Content Datacenters according to the needs of specific clientele.

// Automate network management (health, statistics, provisioning and change management), via scripting languages.

// Customize network solutions and products based on Unix OS
Ninety-five percent of Interdisciplinary Telecom graduates in the Network Engineering Track have employment offers prior to graduation.

**Faculty Spotlight**

Jose Santos is both a Senior Instructor and the ITP Lab Director whose specialty is in resilient network design and architecture. He has been responsible for the ongoing evolution of hands-on educational materials designed to fit the ever changing needs of the Information Technology industry; permitting to most of our students a high rate of employability. He has been part of our team for more than 10 years.

Levi Perigo, Scholar in Residence in ITP, has a passion for working with students and challenging them with interactive, hands-on, real world scenarios in the classroom. His research interests are in a variety of internetworking technologies such as Voice over IP (VoIP), Software Defined Networking (SDN), and the Internet of Things (IoT). Dr. Perigo’s PhD research was on Internet Protocol version 6 (IPv6). Some of Levi’s interests outside of telecommunications include cycling (mountain/road), rock climbing (traditional/sport), and snowboarding.

**Admission Requirements**

We accept students from varied backgrounds. In making admission decisions, we review all elements of the application packet. Applicants must meet the following criteria:

// A bachelor's degree from a four-year college or university of recognized standing

// A GPA of at least 3.0

// GRE, GMAT, or LSAT scores

// TOEFL or IELTS scores for applicants whose native language is not English

// An aptitude for working with technology, and strong written and oral English skills

**Degrees Offered**

// MS
// PhD

**Required Courses**

// Unix System Administration
// Advanced and Basic Telecommunications Systems Lab
// IP Routing Protocols
// Network Management and Operations

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