

# INFORMATION SCIENCES AND TECHNOLOGY FOR TELECOMMUNICATIONS, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

## Program Description

This minor offers students an opportunity to examine the opportunities and challenges presented by convergence of telecommunications and information processing. Internet-mediated services have the potential of fundamentally changing how we communicate and engage in commerce. This convergence offers faster, better, cheaper, smarter, and more convenient services, but also raises a variety of legal, regulatory, political, social, economic, and technology management issues. The IST/ Telecommunications minor offers students enrolled in majors outside the College of Information Sciences and Technology an opportunity to examine how telecommunications and information processing technologies and services will impact society as well as their individual circumstances.

## What is Information Sciences and Technology for Telecommunications?

The IST for Telecommunications program explores the convergence of electronic media and information technology. Students are introduced to the basic technical aspects of digital communication networks and the internet and learn how those technologies are being used by media and communications firms to develop and deliver new products and services. Broadband access to the internet and the convergence of information processing and telecommunications has changed the delivery of information and entertainment and led to new forms of radio, television, e-commerce, and social media.

### You Might Like This Program If...

- You have a strong interest in computer technology and the media and entertainment fields.
- You are analytical and good at problem-solving.
- You are imaginative and curious.
- You can't decide if you want to choose a technical career or a business career.

## Program Requirements

Requirement	Credits
Requirements for the Minor	18

The Telecommunications requirements of this minor constitute three courses (nine credit hours). Students can fulfill this requirement by completing Survey of Electronic Media and Telecommunications (COMM 180) offered by the Telecommunications Department in the Bellisario College of Communications and by completing two additional courses from the following list:

Code	Title	Credits
COMM 479	Telecommunication Economics	3
COMM 484	Emerging Telecommunications Technologies	3
COMM 490	Issues in Electronic Commerce	3
COMM 491	International Telecommunications	3
COMM 492	Internet Law and Policy	3

Three IST courses (nine credit hours) constitute the other part of this minor.

## Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (<http://senate.psu.edu/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/#59-10>).

Code	Title	Credits
<b>Prescribed Courses</b>		
<i>Prescribed Courses: Require a grade of C or better</i>		
IST 110	Information, People and Technology	3
IST 210	Organization of Data	3
IST 220	Networking and Telecommunications	3
COMM 180	Survey of Electronic Media and Telecommunications	3
<b>Additional Courses</b>		
<i>Additional Courses: Require a grade of C or better</i>		
Select 6 credits of the following:		6
COMM 479	Telecommunication Economics	
COMM 484	Emerging Telecommunications Technologies	
COMM 490	Issues in Electronic Commerce	
COMM 491	International Telecommunications	
COMM 492	Internet Law and Policy	

## Academic Advising

The objectives of the university's academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee's unit of enrollment will provide each advisee with a primary academic adviser, the information need to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (<http://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy>)

## University Park

**Brenda Johnson**  
Administrative Support Assistant  
204 Carnegie Building  
University Park, PA 16802  
814-865-1503  
bmj11@psu.edu

## **Contact**

### **University Park**

DEPARTMENT OF TELECOMMUNICATIONS

105 Carnegie Building

University Park, PA 16802

814-863-6419

[mattj@psu.edu](mailto:mattj@psu.edu)

<http://bellisario.psu.edu/telecomm>