



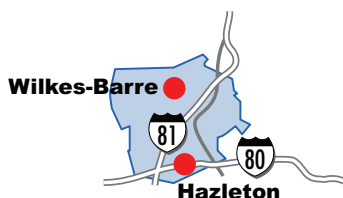
It Shows

Whether you want to enter a new field, change positions, or upgrade your skills, we can help you accomplish your goals. Our commitment to flexibility gives you the opportunity to acquire the tools you need to succeed.

Penn State on your résumé—it shows.

Information Sciences and Technology Certificate Program

In the certificate program in information sciences and technology (IST) you can explore critical areas of information technology and information management. You will be introduced to information sciences, software applications, Web development, database management, network administration, and telecommunications systems. Team projects will be focused on developing your analytical thinking and your communication skills.



Offering adults flexible, convenient opportunities for professional development and self-enhancement



www.wb.psu.edu/academics 570-675-9220

Information Sciences and Technology Certificate Program

The IST certificate program allows you to work at your own pace. You can take one or two courses each semester; thus, it is possible to complete the 13-credit program in as little as one year. The credits you earn may be used to satisfy Penn State course requirements in the associate and bachelor's degree programs in information sciences and technology.

If you have a degree in a field other than information technology, adding IST credentials to your résumé may be beneficial to your career. If you are just starting in the information technology field but are not yet ready to tackle a full-time academic schedule, you can use this certificate program to sample the subject matter before making a further educational commitment.

You will receive a certificate upon successful completion of the following four courses (13 required credits):

Information, People, and Technology—IST 110 (3 credits)

The use, analysis, and design of information systems and technologies to organize, coordinate, and inform human enterprises.

Organization of Data—IST 210 (4 credits)

Introduction to database concepts, including the storage, manipulation, evaluation, and display of data and related issues. *Prerequisite: IST 110*

Networking and Telecommunications—IST 220 (3 credits)

Introduction to digital network topologies; transmission media, signal modulation, digital packet switching and routing, systems integration, communications management, and security. *Prerequisite: IST 110*

New Media and the Web—IST 250 (3 credits)

Introduction to how the Web uses emerging technologies. Students can acquire a conceptual understanding of constructing Web sites. *Prerequisite: IST 110*

Admission to Certificate Programs

Certificate programs and courses are open to high school graduates and to persons who have earned a GED. Prerequisites may apply. If you are interested in enrolling in a certificate program, you are required to complete a nondegree form, available by calling **570-675-9220**.

Financial Aid

Information on eligibility for part-time students enrolled in credit certificate programs is available by calling Stacey Zelinka at **570-675-9242** or visiting www.psu.edu/studentaid.

Class Location

The certificate program in information sciences and technology is offered on a part-time basis at Penn State Wilkes-Barre in Lehman; you have the choice of day or evening courses. The program can also be delivered on site at companies or organizations that have sufficient enrollments and the appropriate technology.

For More Information

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