

# WPI

**THE WPI CAMPUS** 100 Institute Road • Worcester, MA 01609 • 508-831-5000 • www.wpi.edu

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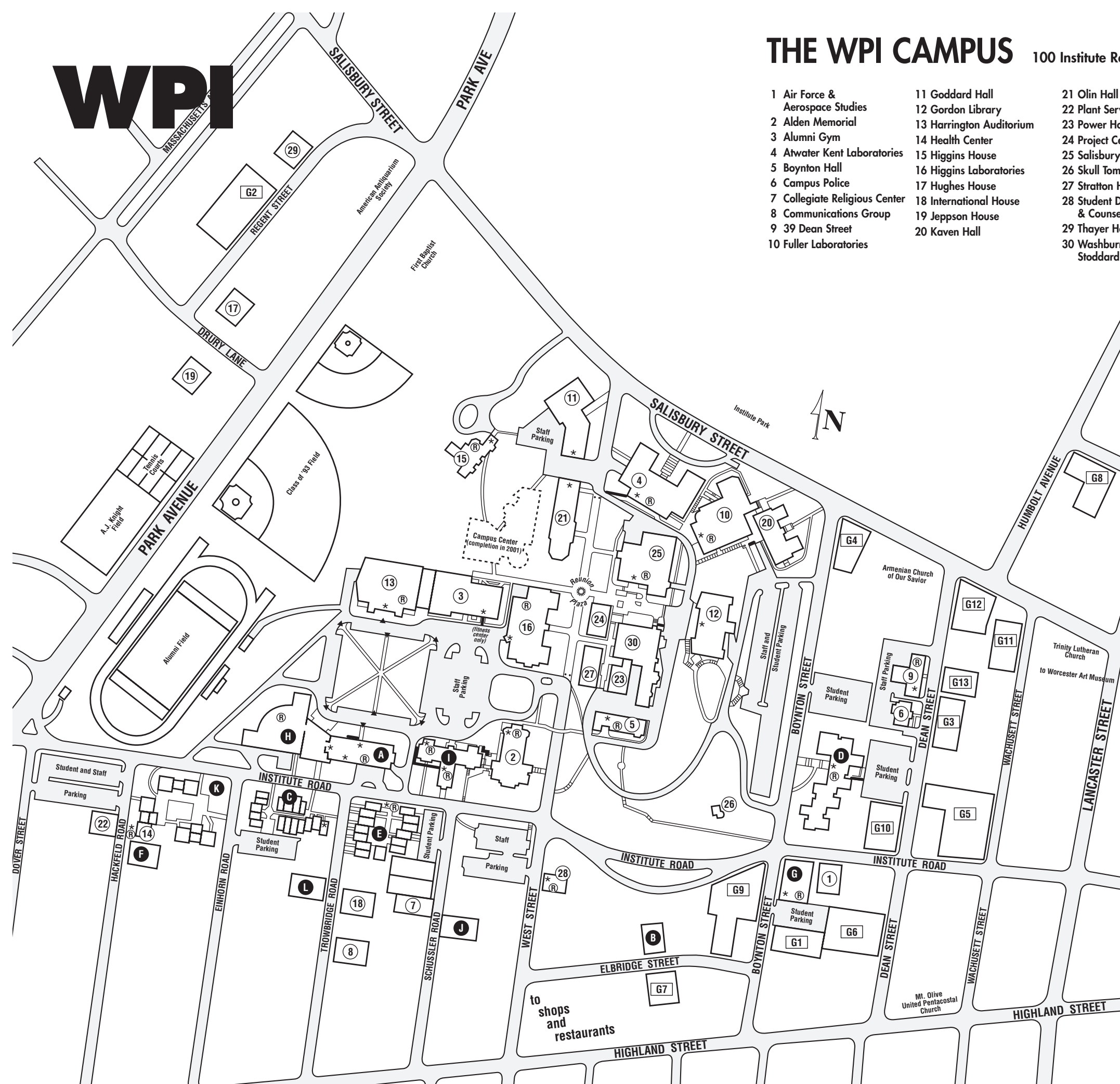
- GREEK HOUSES**
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  - G2 Alpha Tau Omega
  - G3 Lambda Chi Alpha
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  - G5 Phi Kappa Theta
  - G6 Phi Sigma Kappa
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- Ⓜ Handicap Restroom
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- Handicap Ramp
- ▲ Handicap Walkway

## DEPARTMENTS AND OFFICES

Academic Advising . . . . .	25	Kinnicutt Lecture Hall . . . . .	25
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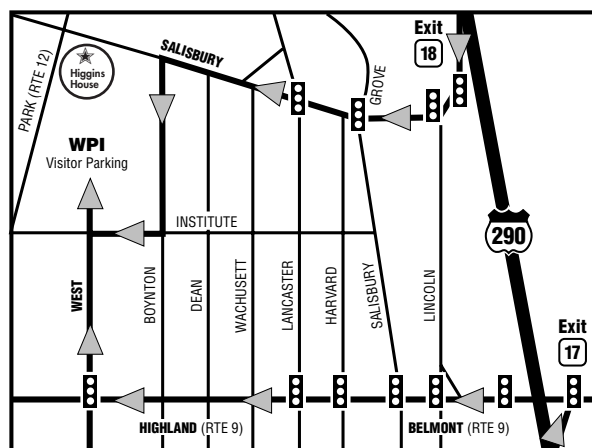
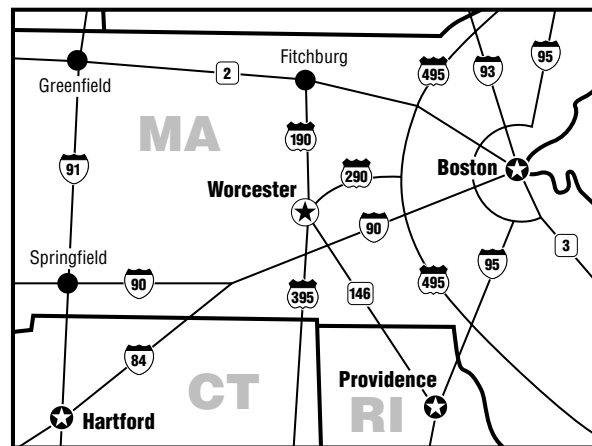


## DRIVING TO WPI...

**From the east:** Take Mass. Turnpike (I-90) to Exit 11A (I-495). Proceed north to I-290, then west into Worcester. Take Exit 18 (Lincoln Sq., Rte. 9), turn right at end of ramp, then an immediate right before next traffic light. At next light, proceed straight through, bearing to the right on Salisbury St.\* At the WPI sign, turn left onto Boynton St., then right onto Institute Rd., then right onto West St. Visitor parking is on the left after the footbridge.

**From the north:** Take I-495 south to I-290. Follow directions as from east.

**From the south and west:** Take Mass. Turnpike (I-90) to Exit 10 (Auburn). Proceed east on I-290 into Worcester. Take Exit 17 (Lincoln Sq., Rte. 9), turn left at end of ramp, follow Rte. 9 west through Lincoln Sq., straight onto Highland St.,\*\* then right at light onto West St. Visitor parking is on the left after the footbridge.



## Directions to Higgins House

(John Wing Road, on the WPI campus)

**From the east and north:** Follow directions above to single asterisk. \*Take 6th left onto John Wing Road.

**From the west and south:** Follow directions above to double asterisk. \*\*Proceed on Highland St. to Park Ave., turn right at the traffic light. Take 2nd right onto Salisbury St., then 1st right onto John Wing Road.

## A GUIDE TO THE WPI CAMPUS

WPI's attractively landscaped 80-acre campus, only a few minutes' walk from downtown Worcester, is bordered by public parks and residential areas. The campus consists of 31 major buildings, 17 of which were built or acquired since 1962. A state-of-the-art, campuswide data network connects every laboratory, classroom, office, residence hall room, fraternity and sorority, linking members of the campus community to each other and to computer users around the world through the Internet.

### Alden Memorial (1940)

WPI's first auditorium was a gift of the George I. Alden Trust and honors the memory of the University's first professor of mechanical engineering, who was known as an innovative educator and accomplished researcher in mechanics and hydraulics. Today the building is a modern center for the performing arts, with rehearsal and performance space for WPI's many music ensembles and theatre organizations. The great hall, with its massive ceiling beams and stained-glass window medallions illustrating American history and cultural pursuits, is used for lectures, concerts, plays and a variety of other events.

### Alumni Gymnasium (1916)

The University's first indoor athletics facility, this building was funded by alumni who were concerned about the lack of adequate facilities for athletics at WPI. Today the building houses the administrative offices for the Physical Education and Athletics Department, locker rooms, a small gym with a banked running track, and a number of other athletics facilities. The gargoyles around the building's exterior depict, whimsically, some sports played at WPI.

### Atwater Kent Laboratories (1907)

This was the first building in the country dedicated to education in electrical engineering. Named for the radio pioneer who was a member of WPI's Class of 1900, the building, which looks like a capital E from the air, had vast open bays where students operated huge motors and switches—even an electric street railway test car. Today, it is packed with workstations, lasers, ultrasonic imagers, power analyzers, wireless transceivers, and other up-to-date tools of the Information Age. Among the many electrical and computer engineering laboratories in the building are those designed for work in wireless information networks, electromagnetic acoustics, machine vision, cryptography, ultrasound and microelectronics.

### Boynton Hall (1868)

WPI's first building is named for John Boynton, a prosperous tinware manufacturer who founded the University in 1865. Boynton gave his life's savings of \$100,000 to create WPI on the condition that the citizens of Worcester would provide the land and this building. Boynton Hall was designed by noted architect Stephen Earle (his son, Ralph, would become WPI's sixth president) and built of native granite. Calvert Vaux, who helped lay out New York's Central Park, designed the grounds. Originally, the building was filled with classrooms and labs. What they learned in Boynton Hall, students applied in the Washburn Shops next door. The towers of these two buildings became a symbol for WPI's unique philosophy of education: the balance of theory and practice. Today, Boynton Hall is WPI's main administration building.

### Fuller Laboratories (1990)

WPI's newest academic building is named for George F. Fuller, former chairman of Wyman-Gordon Co. and a longtime WPI trustee. It is home base for most things to do with computers and computer science. It also serves as the heart of the University's high-speed computer network, which links the campus to today's Internet and to Internet2, a high-tech test bed for the technologies that will shape the Internet of the 21st century. Throughout the building you will find general access labs filled with UNIX workstations, high-power PCs, laser printers and other computer equipment. Perreault Lecture Hall is equipped with modern AV equipment, and its 35mm projectors and Dolby sound system make it a great place to watch films.

### Goddard Hall (1965)

Named for Robert H. Goddard, father of modern rocketry and a 1908 graduate of WPI, this building was a gift from the F. W. Olin Foundation. Its exterior features a 10-foot-tall WPI seal in cast stone. State-of-the-art laboratories in the Chemical Engineering Department support work in bioreactor engineering, biochemical research, zeolite crystallization, heat and mass transfer, laser chemistry, catalysis, inorganic membrane studies, and a host of other areas. In the Chemistry Department there are laboratories for work in such areas as biochemistry, NMR spectroscopy, laser flash photolysis, infrared spectroscopy, high-pressure liquid chromatography, photochemistry, computer-aided molecular design and medicinal chemistry. A multi-story unit operations laboratory, where students learn about the practice of modern chemical engineering by running real chemical operations, dominates the center of the building.

### Gordon Library (1967)

Built with the major portion of a \$5 million bequest from George C. Gordon, a Cleveland industrialist and a member of WPI's Class of 1895, this building was designed to fit a steep hillside site. It contains a host of resources and facilities, including audio-visual viewing areas, a gallery for art exhibits, and rooms for meetings and conferences. As a 21st century research facility, Gordon Library is a nexus for a wide range of information sources, both print and electronic. In addition to some 250,000 bound volumes and more than 1,200 journals, the library offers researchers a host of online and CD-ROM-based journals, databases and other resources. Many of these resources are available over the Internet.

### Harrington Auditorium (1968)

Harrington has been called the finest indoor facility in New England Division III athletics. Brothers Charles and Frank Harrington, WPI athletes in the 1890s, had successful careers in the insurance industry. In the late 1960s, when WPI needed a modern athletic facility for its growing sports program, the brothers' philanthropic foundations provided the funds. The building's centerpiece is a 2,800-seat gymnasium where the men's and women's basketball teams and the volleyball team play. The gym also serves as an auditorium for concerts and campus events. In the lobby is a long display case filled with many awards and trophies won by WPI athletes over the years.

### Higgins House (1923)

This large Tudor-style mansion was once the home of Aldus C. Higgins, son of Milton P. Higgins, first superintendent of the Washburn Shops and a founder of Norton Co. in Worcester. The house was donated to WPI in 1971 following the death of Mrs. Aldus Higgins. Now home to the Alumni Office, the building is also used for meetings and conferences. Visitors to the building have enjoyed the unusual architecture, which reflects Higgins' love for English castles. The three-story arched window in the great hall overlooks magnificent formal gardens.

### Higgins Laboratories (1942)

Home to WPI's largest academic department (the Mechanical Engineering Department), this building was completely refurbished and expanded in 1996; a 17,000-square-foot addition now fills in one side of this H-shaped structure. Among the new facilities added in the renovation are dedicated laboratories for work on student projects. Among the research facilities in Higgins Labs are laboratories for aerospace engineering, computer-aided design, computer-aided engineering, fire science, fluid dynamics and thermal processes, laser holography and micromechanics, rehabilitation engineering, and biomechanics.

### Kaven Hall (1954)

This building is named for Moses Kaven, Class of 1885, who was vice president of the United Shoe Machinery Co. and a generous WPI benefactor. Its facilities include labs for the study of structural engineering, environmental and geotechnical engineering, construction materials, and computer-aided materials and design. The building also hosts the Environmental Infrastructure Program (EIP), which focuses on water protection, pollution prevention, and the development of systems for safe delivery of domestic and industrial water, and the Highway Infrastructure Program (HIP), dedicated to research on the development of materials for highway construction and roadside safety technology.

### Olin Hall (1959)

A gift of the F. W. Olin Foundation, this building features a greenstone wall in the main lobby bearing a plaque with aluminum lettering honoring Olin, a pioneering chemical industrialist. It houses facilities for education and research on such topics as semiconductor superlattices, quantum and nonlinear optics, solid-state physics, biophysics, optical properties of solids, light-scattering laser spectroscopy of semiconductors, glass fibers, complex fluids, and nanomechanics.

### Power House (1895)

The large boilers and other machinery in this building provide heat and air conditioning to the central campus. Two administrative departments are also housed here. Like the buildings around it, the Power House is included on the National Registry of Historic Buildings.

### Project Center (1903)

This small, two-story building is where students once learned how to cast machine parts from molten metal. Today it's the administrative center for the WPI Plan, the Institute's innovative, project-oriented undergraduate program, and its global projects program, which helps students gain an appreciation for other cultures by conducting professional-level projects at sites all around the world.

### Residence Halls (1927-1985)

The University has 12 residence halls and houses, which are home to almost half the undergraduate student body and a small number of graduate students. (Fraternities, sororities and off-campus living arrangements provide housing for many other students.) WPI's first residence hall, Sanford Riley Hall, was built in 1927. Its newest, Founders Hall, was completed in 1985.

### Salisbury Laboratories (1889)

Designed by Stephen Earle, this building was named for Stephen Salisbury II, a Worcester businessman who donated the land for WPI's campus and served as chairman of its first board of trustees. Inside are laboratories for work in molecular biology, animal and plant cell culture, fermentation, downstream processing, molecular genetics, invertebrate zoology, and bioremediation. A greenhouse atop the building supports innovative work in plant physiology and biotechnology. Among the biomedical engineering laboratories are those for research in biosensors and instrumentation. A related laboratory at the nearby Massachusetts Biotechnology Park hosts groundbreaking work in magnetic resonance imaging.

### Skull Tomb (1887)

This tiny building has an interesting history. Constructed entirely without metal, it was originally a laboratory where faculty and students conducted delicate experiments in electricity and magnetism until vibrations from the early Worcester streetcars ended that work. The building was next used for experiments with high-voltage transformers. For a time, the student newspaper was published here. In 1917 rocket pioneer Robert H. Goddard '08 used the building for some of his early experiments. Since 1921, the structure has been the home of Skull, a senior honorary society.

### Stratton Hall (1894)

Constructed with funds from the Commonwealth of Massachusetts, this building was the first home of WPI's Mechanical Engineering Department. In 1942 it was named for Charles G. Stratton, a member of WPI's Class of 1875, who served as a trustee and president of the WPI Alumni Association.

### The Washburn Shops and Stoddard Laboratories (1868)

Worcester industrialist Ichabod Washburn owned the world's largest wire-making operation. Like John Boynton, he dreamed of establishing a school for technically minded young people. He merged his dream with Boynton's by agreeing to put up WPI's second building. Originally, this was a working manufacturing plant where students made products for sale under the tutelage of professional mechanics. Elbridge Boyden, architect of Worcester's Mechanics Hall, designed the elegant building with its distinctive arm and hammer weather vane. The Washburn Shops was completely renovated in 1984, when a new wing, the Stoddard Laboratories, was constructed. It is the oldest building in the nation used continuously for engineering education.