

THE LOWELL INSTITUTE SCHOOL AT NORTHEASTERN UNIVERSITY

Boston, Massachusetts



***Technology Education  
That Works***



**Northeastern**  
UNIVERSITY

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THE LOWELL INSTITUTE SCHOOL



## ***Tanya Stanley, '03***

**Degree:** Bachelor of Science in Mechanical Engineering Technology with a Concentration in Manufacturing

**Current position:** Advanced Manufacturing Process Engineer, 3M touch systems, Methuen, Massachusetts

### ***Attending a four-year college***

*and obtaining my bachelor's degree has enabled me to both feel proud of my personal accomplishments and to further my career. Less than one year after I graduated, I was promoted and increased my salary by more than 15 percent. My primary responsibility is to design and develop the processes that are used to manufacture touch screen systems for a variety of industries.*

*The evening program at Northeastern was an excellent program to participate in and prepared me well for my work. The instructors were extremely knowledgeable both in terms of their real-world experience and from their research in their respective fields. They exhibited a passion for teaching that made the material enjoyable and easier to learn.*



## ***You know*** how to make things work

and how to transform ideas and materials into useful, efficient tools. The Lowell Institute School at Northeastern University will give you the theory and the hands-on experience to open your options to countless career paths.

The world of technology changes more rapidly than any other field. Our curriculum stays on the cutting edge so you can apply your course work immediately in your current job and use your new skills to expand your career.

Northeastern is famous for combining superb academics and rigorous, creative lab work with real-world experience. At the Lowell Institute School, you gain the advantages of a degree from a university that *U.S. News & World Report* places in the top half of the “Best National Universities.” You also gain the experience of our faculty, who keep current in their fields and share their knowledge, life lessons, and business experience with you.

## ***High*** expectations

The Lowell Institute lets you learn at your own pace at night and on weekends. If you are attending a two-year program, you’ll find that many of your current credits transfer, making it faster to earn your associate’s or bachelor’s degree in engineering technology.

We offer everything you need in technology education: convenience, outstanding academics, dedicated and experienced faculty, hands-on training, and excellent connections to the working world. All you need to do is apply.

## ***Challenging programs***

The Lowell Institute School offers all the benefits of Northeastern's highly ranked programs in engineering technology. Our top-notch faculty update their curricula to reflect the rapid changes in technology-driven industries, so that your academics apply to your current and future work.

Engineering technology requires practice. You will learn theory in class, but will spend much of your time in the lab where you apply the theory to create and test new products. You will learn why a system is designed in a particular way and how it works. Our programs position you to apply engineering principles to modern technology, allowing you to solve or prevent technical problems, solve production and system implementation problems, and understand the solutions.

Northeastern's high standards guarantee that you will be prepared to enter the technology workplace of your choice. Our open enrollment makes it easy to start down that path. Register now and put yourself in a position to succeed.

### **Academic Options**

#### *Associate's or Bachelor's Degree*

- Computer Engineering Technology
- Electrical Engineering Technology
- Mechanical Engineering Technology

#### *Certificates*

- Computer Technology
- C++/UNIX Specialist
- Electronics Technology
- Engineering Graphics Technology



## ***Robert Grzybinski, '03***

**Degree:** Associate in Engineering and Bachelor of Science in Electrical Engineering Technology

**Current position:** Systems Engineer, Axcelis Technologies, Beverly, Massachusetts

*“My schooling was helpful in advancing my career even before I completed the four-year degree. Besides learning skills that were useful on the job, going to night school showed my employers that I was dedicated and committed to improving my skills.”*

### **Practical Curriculum**

In engineering technology, theory is only part of the story. Northeastern’s courses are geared to hands-on education, giving you the experience you need for your profession. You step into the lab and apply your understanding to actual production, testing, and implementation techniques.

Our inclusive program teaches you to identify problems. We also supply the math, science, and physics skills to implement solutions, and the writing and presentation skills to communicate effectively. You will be able to apply these proficiencies to a range of engineering technology settings. The skills you gain at Northeastern will serve you for the rest of your career.

Our faculty has years of experience as engineers, managers, and entrepreneurs in technology businesses. They know what you need to know. In class and as career mentors, they guide you along your path.

## *Career advancement*

The Lowell Institute School has been preparing highly qualified engineers for over a century. Thousands of graduates become your professional colleagues, opening doors to new opportunities and helping advance you in your current field.

Enrolling in the Lowell Institute ensures lifelong connections to rewarding career options. From adjunct faculty who hold key positions with leading technology companies to fellow students who are advancing along with you, the powerful connections you make at Northeastern are lasting. You also have access to Northeastern's Department of Career Services to help you hone career search and placement skills.

Superb education. Hands-on experience. Strong connections to every corner of the industry. Northeastern's Lowell Institute School works.

### **Sampling of companies employing our graduates**

Agfa Monotype	Ionics, Inc.
Alan Bradley	MIT Lincoln Laboratory
Analogic	Motorola
Bechtel	NStar
Boston Scientific	Raytheon
Compaq	Siemens Energy & Automation
Draper Laboratory	Superior Controls, Inc.
EMC Corporation	Teradyne
GE Panametrics	Texas Instruments
General Dynamics	TransÉnergie US
Gillette	Varian Semiconductor
Intel	Equipment

### **Enrollment**

The Lowell Institute School's open enrollment policy makes it easy for students to get started or to transfer from other institutions, including two-year day and evening programs. You may choose a bachelor's or associate's degree, earn a certificate in a technology specialization, or take a course or two to sharpen your skills. Whatever your goal, you'll have guidance from Lowell Institute faculty and staff, and all the resources of a top urban university.



## **Leonard A. DiPinto, '04**

**Degree:** Bachelor of Science in Computer Engineering Technology

**Current position:** Failure Analysis Engineer, Maxtor Corporation, Shrewsbury, Massachusetts

*"I decided to pursue my bachelor's degree in computer engineering technology at Northeastern University based on the diversity of classes they offered and how the course work applied to my career field.*

*My current position of failure analysis engineer requires a broad knowledge spanning several disciplines. Disk drive failures can be traced to mechanical, electrical, software, environmental, or manufacturing process issues. I have to determine the root cause of failure and devise corrective action to minimize the risk of this failure repeating.*

*Northeastern's computer engineering technology program provided me with the broad knowledge base I needed to approach the diverse problems I face in my work every day."*

### **Financial Aid**

The Lowell Institute School makes it easy to finance your education. If your employer does not offer tuition assistance or tuition reimbursement, then you are eligible for a Lowell Scholarship. These awards are based on availability. You may also be considered for need-based loans and grants through Northeastern's Office of Student Financial Services. Contact the Lowell Institute for more information about enrollment and financial aid.

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Boston, Massachusetts

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Higher Learning. Richer Experience.