

RESOURCES AND SPECIAL PROGRAMS

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THE GATEWAY PARK

Located near the intersection of I-190 and I-290 in Worcester, the Gateway Park is transforming a 12-acre former industrial site into a mixed-use destination for life sciences and biotech companies and the people who work for them. The project will include five life sciences buildings totaling 500,000 square feet of flexible, adaptable lab space designed to meet the needs of research organizations; 241,000 square feet of market rate, loft condominiums; and several planned retail establishments. The first building, the WPI Life Sciences and Bioengineering Center, was completed in spring 2007; additional buildings are in the planning stages.

In fall 2007, the Gateway Park won two major national awards for excellence in designing the re-use of former industrial sites. Undergraduate projects in the life sciences are conducted here as well as in Salisbury Labs and Goddard Hall.

For more information on the Gateway Park, see the website at <http://www.gatewayparkworcester.com/index2.html>.

SPECIAL PROGRAMS FOR FIRST YEAR STUDENTS

INSIGHT PROGRAM

In WPI's *Insight Program*, groups of 25 to 30 first-year students are advised by a faculty mentor who makes a real commitment to working with first-year students. These faculty members represent all the departments and programs at WPI, and in many cases are the senior faculty members and the most experienced advisors. Each faculty advisor works with two advanced undergraduates, the Community Advisor and the Residence Advisor, to schedule activities focusing on time-management, study skills, test-taking strategies, and community service. The Insight Program purposefully blends the academic and social aspects of life at WPI.

GREAT PROBLEMS SEMINARS

This is a two-course sequence designed to serve as an introduction to project work and university-level research with a focus on themes of current global importance. The Great Problem Seminars (GPS) are all about important problems. Everything students do is tied to current events, societal problems and human needs. The skills students develop are exactly what they need to be successful both in project work at WPI and in their future careers.

Example: In 2007, the *Feed the World Seminar* was built around a sequence of projects tied to food, ranging from the biology of genetically engineered corn to the ethics of price supports and fair trade. This seminar provided one course credit in Chemistry and one course credit in Humanities.

Example: In 2007, the *Power the World Seminar* was built around a sequence of projects tied to energy, ranging from the physics of power generation to the ways that new technologies have changed societies. Students in Power the World earned credit for one course in Physics and one course in Humanities.

New themes will be offered each year.

Enrollment is limited.

PROJECT-BASED LEARNING COMMUNITY (PLC)

WPI offers a program that blends Physics, Math, and Humanities or Social Science together in a unified learning experience constructed around group projects. The students involved are provided with a special opportunity to explore the relationship between mathematics and science and to appreciate their place in history and society. Benefits of the PLC include an outstanding student-teacher ratio (about 24 to 3); emphasis on teamwork over multiple projects; a new social community and meeting place to build lasting relationships with other first-year students.

The students "own" the PLC room for all of A and B terms. All of these classes are held in this room that is equipped with computers, white boards, and plenty of space to work. WPI's Project-based Learning Community is committed to experimenting with ways of learning through the structure of small group projects and study communities.

Students in the PLC earn credit for two courses in Calculus, Physics, and Humanities.

Enrollment is limited.

ADDITIONAL RESOURCES ON THE WEB

The Undergraduate Programs Web Site (www.wpi.edu/Academics/Undergraduate/)

The Academic Advising Office (www.wpi.edu/+OAA)

The First Year Web Site (www.wpi.edu/+FYE)

COMBINED BACHELOR/ MASTER'S PROGRAM

The Combined Bachelor/Master's Program is a unitary program leading a student to a bachelor degree and to a master of business administration, master of engineering, or master of science degree. The purpose of the Combined Bachelor/Master's Program is to give WPI undergraduates an opportunity to earn a bachelor and a master's degree from WPI concurrently in less time than would be required if the student were to complete work on the bachelor degree before beginning work on the master's degree. To gain the full benefit of this program, a student should apply for the Combined Program well before the bachelor degree is completed. Application at the beginning of the junior year is recommended.

For the master of science and master of engineering degrees, the Combined Program typically allows a student to complete requirements for both degrees in about one more year of full-time study than would be required to earn the bachelor degree. With careful planning, a student can obtain a similar reduction in the amount of time required to earn an M.B.A.

PROGRAM REQUIREMENTS

Only registered WPI undergraduates may enter the Combined Program. To enter, a student must apply to the WPI Graduate Program. Admission to the Combined Program is made by the faculty of the program that awards the graduate degree. A student in the Combined Program continues to be registered as an undergraduate until the bachelor's degree is awarded.

While in the Combined Program, a student may continue to take courses or projects toward the undergraduate degree; the student may also register for graduate courses, projects, directed research or thesis credits toward the master's degree.

To obtain a master's degree via the Combined Program, the student must satisfy all requirements for that master's degree, including any requirements of the graduate degree-awarding program for satisfactory completion of specified courses or a master's thesis. To obtain a bachelor's degree via the Combined Program, the student must satisfy all the requirements for that bachelor degree, including distribution and project requirements.

A student in the Combined Program, may, within the program limit and with prior approval, use the same courses toward the bachelor and master's degrees. The limitation is computed from the graduate credit hours for each course. Courses, whose credit hours total no more than 40% of the credit hours required for the master's degree, and which meet all other requirements for each degree, may be used to satisfy requirements for both degrees. Such courses are recorded on the transcript using the credit hours/units and grades appropriate at the graduate or undergraduate levels. For students in the Combined Program, approved undergraduate courses are assigned graduate credit with a conversion rate of 1/3 WPI undergraduate unit = 3 credit hours, while graduate courses applied toward the undergraduate degree are awarded undergraduate credit with a conversion rate of 1 credit hour = 1/9 undergraduate unit. There are some academic departments that allow only 30% or 3 course double counting of credit. Check the graduate catalog for rules pertaining to your program.

Students in the Combined Program may use advanced undergraduate courses to satisfy graduate degree requirements. The department decides which courses may be used in this way. Faculty members teaching these advanced undergraduate courses may impose special requirements, appropriate to an undergraduate course being used for graduate credit, on Combined Program Students.

In many cases, including if the programs awarding the bachelor and master's degrees are not the same, the program awarding the graduate degree may require that the student's Major Qualifying Project relate in some way to the graduate program's discipline. The graduate program may also make other requirements as it deems appropriate in any individual case. These requirements take the form of a written agreement (obtain Course Selection Form from the Office of Graduate Studies & Enrollment or at www.wpi.edu/+GAO) between the student and the graduate program, which must be completed and filed with the registrar before the student may be matriculated in the Combined Program.

The Combined Program is a full-time program of study. Once admitted to the Combined Program, a student must register every fall and spring semester until the graduate degree is completed. A student in the Combined Program who, during the fall or spring semester, has no registered activities is automatically terminated from the Combined Program, and may only be readmitted to the Combined Program by the Committee for Graduate Studies and Research via petition showing extenuating circumstances. Termination from the Combined Program does not affect a student's ability to continue toward the bachelor's degree.

Some graduate-degree-awarding programs impose additional restrictions on students in the Combined Program. Consult the degree requirements of individual programs for details.

Questions relating to the program should be referred to the discipline department heads or to the Office of Graduate Studies & Enrollment.

COMPUTER RESOURCES

WPI's newest academic building, Fuller Laboratories, is designed to provide dedicated space for faculty, staff and students working in the information sciences. The Computing and Communications Center (CCC) is located in this building, along with the Computer Science Department and the Academic Technology Center.

CCC provides a wide range of services and access to computer resources for the WPI community and manages an array of powerful UNIX, Linux and Windows servers. All WPI students, faculty and staff may obtain a login ID from the CCC for academic course works, research and self-education. The ID will remain in force as long as the person continues to be registered as a student or to be employed by WPI. The systems have been configured so that the user will see the same familiar environment no matter which CCC workstation is used. CCC facilities are accessible from a wide variety of locations on campus or from around the world via the campus connection to the Internet. CCC operates the campus data network and Internet connectivity, including a VPN (Virtual Private Network) to access internal resources remotely. Computer systems operated by academic departments are also on the same CCC communications infrastructure, so they are accessible just as easily.

The CCC facilities offer x-terminals with Linux servers, as well as high-end PCs and several Macs. In addition to several computer classrooms and specialized labs, the CCC supports open access labs in every academic building totaling hundreds of stations across the campus. Each of these labs offers the same user interface, software profile, and network access to personal files as does the CCC lab.

PC file servers drive laser printers in the CCC facilities and other locations across campus. Also accessible in the CCC are a color postscript laser printer and scanning devices. Since the campus network distributes computing services across the campus, network-attached PCs in other buildings can use the CCC print service to generate high-quality output for reports and resumes. The servers also provide file service for many software packages including PC-based desktop publishing, spread sheets, databases, programming languages, and department courseware.

CCC supports the residence and fraternity network services. Using their personal PCs, students in residence halls can access the same software and interface available in CCC PC labs across campus. A wireless network is available in all academic buildings as well as primary residence centers. Wireless laptops are available on loan for use in the library and campus center.

In addition to supporting the academic computing system on campus, CCC operates the administrative system that provides data processing services to WPI administrative offices. The WPI information system provides ready access to important registration information. Students update their biographical information, check grades and drop/add courses over the network via the web interface to the administrative system.

CCC manages a computer help desk to answer users' questions on any of the computer platforms and to provide technical support for endorsed software packages. CCC also provides instruction sessions on supported software in the state-of-the-art computer-training classroom that the CCC maintains in the Gordon Library.

GENERAL COMPUTER SCIENCE FACILITIES*Fuller 2nd Floor*

The department is housed in the specially designed Fuller Laboratories building, providing substantial office and laboratory space. A wide variety of computing equipment is available for course work, project work, and research in computer science.

The department has multiple Sun UltraSPARC, SGI, and Intel machines running Solaris, IRIX, Linux, and other operating systems, for interactive use. These may be accessed via roughly 70 PC's located in department offices, as well as from any of CCC's publicly available computers.

Every classroom, laboratory and office in Fuller Labs is connected to the campus-wide high speed communications network. The network provides access to other computing resources, including the Computing and Communications Center, and the Internet.

MUSIC AND THEATRE FACILITIES

COMPUTER MUSIC LABORATORIES*Daniels Hall*

These laboratories support creative and research activity in a variety of music- and sound-related applications including real-time virtual orchestra design and production techniques. The lab contains hardware and software for multi-track digital recording and editing, signal processing, algorithmic composition, sound synthesis, MIDI sequencing, music notation, and music programming.

GREAT HALL OF ALDEN*Alden Memorial: First Floor*

The Great Hall is used for major productions in Theatre and Music. It is the venue for the Masque Theatre performances. The Hall is sometimes used, in addition, for festive and gala campus functions.

THE LITTLE THEATRE*Sanford-Riley, Lower Level*

Made possible with a major gift from the George I. Alden Trust, this intimate, 99-seat black-box style theatre is the university's first dedicated theatre facility. With its flexible layout and moveable seating, permanent lighting grid and sound system, control booth, greenroom/dressing room, and handicapped accessibility, the Little Theatre, a new home for the university's diverse theatre programs, is well suited for a wide range of dramatic presentations. For more information, see <http://users.wpi.edu/~ltheatre>.

GREEN ROOM*Alden Memorial: First Floor*

Alden Hall houses many of the theatre activities at WPI, both academic and extra-curricular. The Green Room serves as the laboratory for Department of Humanities and Arts, Division of Drama Theatre Performance projects and Sufficiencies, MQPs and IQPs. The sub-basement contains the scene shop and props-storage area and also holds a major work room for Lens and Lights. Students interested in theatre performance and Lens and Lights activities have many resources in Alden Hall.

SPAULDING RECITAL HALL AND OTHER ROOMS FOR REHEARSAL AND PERFORMANCE*Alden Memorial: Lower Level*

Alden Center for the Performing Arts houses the Spaulding Recital Hall, Perreault Chamber Rehearsal Room, the Janet Earle Choral Rehearsal Room, three practice rooms, and the Knight Lecture Room. Available for practice are Steinway grand pianos and the Three Manual Aeolian-Skinner pipe organ in the main Concert Hall. There are three concert grand pianos for recitals, ensemble work and concerts. WPI has some instruments that can be made available to students upon request.

OTHER MUSIC FACILITIES

Music facilities also include The Janet Earle Room, The Perreault Chamber Rehearsal Room, the music classroom, practice rooms, computer music labs and storage facilities.

DRAMA/THEATRE RESOURCE LIBRARY

The Department of Humanities and Arts Drama/Theatre Resource Library, housed in Salisbury Labs Room 20 and available as posted, contains publications, magazines, published scripts, and other information to assist students working on projects (MQP, IQP, Sufficiency, ISP) in Drama/Theatre. Scripts for current productions can usually be found nearby the Resource Library on the table in the center of the main Humanities and Arts area. Most resource items and display scripts must be used in the immediate area, and this service is not per se a lending library.

GEORGE C. GORDON LIBRARY

The George C. Gordon Library invites all WPI students to take advantage of the services and resources that the library offers. The library is open over one hundred hours each week during the academic year and offers a stimulating atmosphere for study. Technology infused work spaces are available for individual or group work, and scholarly resources in all formats are provided. Media and popular reading collections for recreational purposes are also available.

The library's Web site (<http://www.wpi.edu/+library>) is the focal point for library resources and services. The library catalog, electronic journals and books collections, databases, course-specific information, and many other resources are available from it. Access to WPI users who are off-campus is available through the proxy server.

The library collection supports the curriculum and research needs of the WPI community. Currently the library holds 39,000+ print and electronic journals, 38,000+ electronic books, 181,000+ print books, and 150+ research databases. The library collection also includes undergraduate project reports, graduate theses and dissertations, the WPI Archives and Special Collections, most notably the Robert Fellman Dickens Collection. In addition the library hosts a variety of gallery exhibits each year.

WPI students also have access to the collections of other academic libraries within Central Massachusetts thanks to the library's membership in the Academic and Research Collaborative (ARC). You can find out which libraries participate in this program or acquire an ARC cross-borrowing card by visiting Gordon Library. Students can also request materials not held in

Gordon Library through the Interlibrary Loan Office and Document Delivery service. The Gordon Library staff is both knowledgeable in the use of library resources and ready to assist students with information needs. The Reference Department helps students with research problems and questions, offers library instruction and orientation sessions, and provides research consultations to individuals and to project groups. Members of the staff will be happy to provide students with additional information about library services and resources.

ACADEMIC TECHNOLOGY CENTER

The main office of the Academic Technology Center (ATC) is located in the southwest corner on the 1st floor of Fuller Laboratories. The ATC provides a wide variety of technology-based services in support of the teaching and learning needs of students, faculty and staff, and serves as the central coordinating and distribution hub for most of the audio/visual equipment utilized on campus. The ATC supports all of the technology available in WPI's electronic classrooms and conference rooms. In addition, instructional technology and audio/visual equipment can be reserved and signed out for short periods of time to support educational needs. Equipment loans are for valid WPI projects and classes only, and are not for personal use. The ATC's inventory of loan-out equipment includes laptop PCs, video/data projection systems, digital cameras, digital voice recorders, portable video equipment, TVs, VCRs, DVD players, overhead projectors, small and large screens, and other miscellaneous items such as portable storage, laser pointers, tripods, cables, etc.

In addition, the ATC offers graphic production services to faculty, staff and students. These include large format poster printing, image scanning and printing and converting 35mm slide to digital images.

The ATC provides oversight and support for *myWPI*, the university's learning and information portal. The *myWPI* portal is used in support of WPI's academic programs, but also services the communication and collaboration needs of student organizations, faculty/staff committees, and other campus-wide initiatives. The *myWPI* portal is located at my.wpi.edu. For assistance, please e-mail the Helpdesk at helpdesk@wpi.edu.

The ATC supports Interwise, a web conferencing tool that allows remote participants to meet real-time in a web-based environment. Interwise can be used from any location with a computer and high-speed internet connection. Participants can share files and a whiteboard, display video streams, and communicate via voice. Interwise is available for academic work only. For information on Interwise or to request and account for scheduling events, contact connect@wpi.edu.

A state-of-the-art instructional television classroom/studio and two adjacent control rooms are also available and are used primarily in support of WPI's distance learning program - the Advanced Distance Learning Network (ADLN). Members of the WPI community who wish to produce a video in support of an educational activity can obtain professional assistance from the ATC (advanced notice is required). Production costs are usually covered by the ATC. On-location production using portable equipment can also be arranged but require additional preparation and planning.

The head end of the WPI cable TV network is located in the ATC. Announcements pertaining to campus events can be shown on the WPI Video Bulletin Board (submissions can be made from the ATC website). In addition, the ATC operates and maintains WPI's satellite receiver, capable of receiving both Ku and C-based transmissions and ISDN/IP-based videoconferencing systems.

For more information about the services available from the ATC, please refer to the department's website at <http://www.wpi.edu/+ATC>.

STUDENT SERVICES

STUDENT DEVELOPMENT AND COUNSELING CENTER

The WPI Student Development and Counseling Center (SDCC) provides a wide range of services that are FREE of charge to all students enrolled in classes at WPI. The primary purpose of the SDCC is to provide counseling, educational programming and training, referral, and crisis intervention services to the entire WPI student community focusing on 1) assisting students in their full and complete development as they go through the process of becoming adults so that they may achieve greater levels of personal, academic, and professional success, and 2) assisting students in becoming aware of, and effective in, their roles, relationships, and responsibilities as members of an ever burgeoning global society. The professional staff are trained to help students deal with a variety of issues including:

Situational Problems- poor academic performance; managing stress; time management; relationships with significant others; divorce or other family problems; feelings of loneliness, anger, anxiety, confusion, depression; loss; discrimination; harassment; alcohol or other substance problems; sleep disturbances; medical/physical conditions; learning disabilities.

Crisis-Related Problems- physical and/or sexual assault; impulse control problems; suicidal thoughts or behaviors; traumatizing experiences such as date rape, academic setbacks, or the loss of a loved one.

Developmental Issues- developing self-esteem; establishing personal and/or gender identity; helping to define sexual orientation; managing stress from earlier traumatic events; exploring personal and professional goals.

The SDCC staff can also provide referral services for psychiatric evaluation, psychological and learning disability assessment, or other treatment.

The services of the SDCC are confidential. The mental health professionals and support staff are highly trained and sensitive to students' privacy and personal concerns.

The SDCC is located at West Street House, 157 West Street, near the corner of Institute Road. Appointments may be made during the academic year (A through E terms) in person or by calling (508) 831-5540. Office hours are 8:30 a.m. to 5:00 p.m. Monday-Friday (8:00 a.m. to 4:00 p.m. June to mid-August).

MAJOR SELECTION PROGRAM, A SERVICE OF THE CAREER DEVELOPMENT CENTER

Choosing a college major and its associated careers is one of the most important decisions you will make. The Major Selection Program, or MSP, provides you the means to make that decision in an informed manner.

Why? We know that if you are in the “right major” and knowledgeable about the career paths available to you, you will enjoy your coursework, do better academically, and have a passion for your chosen work following graduation.

How can you select a major or learn more about a particular career path that leads to satisfaction? The answer is easy, through the information and experiences the MSP offers.

Contrary to what most people think, the MSP is not just for first-year students. It can help any WPI student to explore, identify and select a major and/or career field.

MSP activities include, but are not limited to:

- Academic Department presentations
- Company tours
- B-term seminar
- Career tests
- Individual Counseling

The CDC is located in the lower level of the Project Center. Appointments may be made in person or by calling (508) 831-5260. Office hours are 8:30am.-5:00pm.

MASH (MATH AND SCIENCE HELP) PROGRAM

MASH is an academic support program for first-year students in mathematics and science courses. Offered to all students enrolled in a supported course, MASH provides assistance in regularly-scheduled study sessions beginning the first week of the term.

MASH review sessions are offered for a limited number of courses which students and faculty have identified as difficult. These courses may have heavy homework assignments or they may require understanding of new and difficult concepts. Whatever the reason, some courses are more challenging than others. MASH helps students meet that challenge.

Each study group is guided by a MASH leader, an undergraduate student who has taken the course before and who, therefore, understands the course material and what the instructor expects. MASH leaders attend all class lectures, take notes, complete assigned readings and other assignments, and conduct three or four 50-minute MASH sessions each week. By attending class and demonstrating effective student behavior, MASH leaders can assist students with the language of the discipline, the integration of lecture and readings, and the development of good study habits.

Through the MASH program, students become actively involved with the content material in a supportive environment. Studies show students who attend MASH sessions regularly earn higher grades than students electing not to participate. But even more important, MASH participants master new concepts, learn to put ideas into perspective, and develop a better way to study. MASH is offered by the Office of Academic Advising.

ACADEMIC RESOURCES CENTER

WPI's Academic Resources Center (ARC) provides academic support services that are designed to enrich and enhance the learning experience of all WPI undergraduate students. Its student-based collaborative learning environment offers individualized assistance in a variety of subjects, as well as a comprehensive peer tutoring program, seminars and workshops.

Students may obtain individual counseling in such areas as learning styles, effective study strategies, problem solving and critical thinking skills, and time management. Appointments may be set up with staff members to develop individualized Academic Success Plans which help students set their academic goals, discover their learning strengths and weaknesses, and design the appropriate learning and study strategies that work best for them.

Students may call (508) 831-5281 for an appointment.

Periodically, students may find that they need some individual assistance with a particular subject or topic. The ARC peer tutors, who are certified by the College of Reading and Learning Association, help students one-on-one in a variety of academic subjects. Tutors are available on a walk-in basis Monday through Thursday. See www.wpi.edu/Admin/ARC/tutorschedule.pdf for an up to date tutor schedule.

The Academic Resources Center is located in Daniels Hall.

STUDENT DISABILITY SERVICES OFFICE

The mission of the Student Disability Service Office is to ensure that all students with disabilities can freely and actively participate in all facets of University life; to provide and coordinate support services that enable students with disabilities to maximize their educational potential and to increase the level of awareness among members of the University so that students with disabilities are able to perform at a level limited only by their abilities, not their disabilities.

By law, it is the student's responsibility to identify himself/herself to the Student Disability Services Office (DSO) and to provide documentation of the disability by a licensed professional. (Please note that the documentation for students with learning differences and ADD/ADHD must be dated within the last three years.) All students who have been admitted to WPI have the opportunity to self-identify their disability (physical and/or learning) by filling out the bottom portion of the Voluntary Disclosure form which is enclosed in the New Student Orientation Package. Students should send this form, along with the supporting documentation, to the DSO. Students with disabilities, who are diagnosed after their admission to WPI, must also provide appropriate documentation to the DSO, if they wish to receive accommodations.

For further information please visit the Disability Services web page at <http://www.wpi.edu/Admin/Disabilities/transition.html>. The Disability Services office, located in Daniels Hall, is open Monday - Friday 8:00 a.m. - 4:30 p.m. Students may drop in or call (508) 831-5235 for an appointment.

WRITING WORKSHOP A Division of the Center for Communication Across The Curriculum (CCAC)

The Writing Workshop offers all WPI students tutorial assistance on writing of any type: course assignments, project work, oral presentations, laboratory reports, proposals, resumes, and letters of application. The workshop is directed by a member of the Humanities and Arts Department faculty and staffed by student peer tutors, all of whom have been trained in a special course on tutoring writing. Students may be referred to the Workshop by faculty, or students may make appointments on their own initiative. The workshop is open according to posted schedules, and its tutorial services are available at no cost.

For more information, visit the CCAC website: www.wpi.edu/twritng or drop in at the Project Center.

WRITING COURSES AND ADVISORS

For information on WPI's writing programs, see Humanities and Arts faculty as follows:

Students for whom English is the native language can consult Prof. J. Trimbur (39 Dean St., Room 258) about these programs.

The WPI advisor for undergraduate students whose native language is not English is Prof. J. Forgeng (SL 08).

WORLD WIDE WEB

The WPI World Wide Web server is the campus information system. It contains a great deal of useful information about people and programs at the university, and is updated frequently. In addition, by using the Web, students gain access to a vast universe of information on any subject imaginable. This is why the Web is such a useful research tool for both faculty and students.

WPI's Web address, or URL, is: www.wpi.edu. Questions about WPI's Web site should be directed to the Web Development Office, webmaster@wpi.edu.

ENTREPRENEURSHIP

The Collaborative for Entrepreneurship and Innovation (CEI) at WPI is part of the Department of Management. It coordinates opportunities for undergraduate and graduate students within WPI, such as the WPI chapter of the international organization, Collegiate Entrepreneurs Organization (CEO), and is available for consultation on Intellectual Property issues and concerns that students and faculty members might have related to projects. The other major component of the CEI, the WPI VENTURE FORUM, coordinates the outreach opportunities for WPI students and faculty members, as well as those outside of WPI.

Everything we do in the CEI is driven by our mission and goals, which you will find below. That is because we are providing our students with an integrated experience that will help them become the very best entrepreneurs in the world.

OUR MISSION

The Collaborative for Entrepreneurship and Innovation inspires and nurtures people to discover, create, and commercialize new technological products and services, and to create new organizations based on those products and services, thereby advancing economic development and improving society.

OUR GOALS

We will:

- Attract students and faculty members to WPI who are interested in using inventions and technology to foster new businesses;
- Foster informed risk-taking among our undergraduate and graduate students and others wishing to pursue the dream of entrepreneurship;
- Build bridges between WPI students, staff, faculty, and alumni, and the wider entrepreneurial business community;
- Encourage corporations to develop an environment that celebrates entrepreneurship as a combined act of discovery, creativity, and innovation; and
- Achieve a leadership role among the preeminent entrepreneurship programs in the U.S.

Currently the CEI offers a number of opportunities to WPI students. These include:

- A minor in Entrepreneurship through our parent organization, the Department of Management.
- Courses in Entrepreneurship for those who do not wish to take a minor.
- MQP and IQP opportunities in Entrepreneurship.
- An external advising team of entrepreneurs and investors who are available to mentor aspiring entrepreneurs among our students.
- Networking opportunities through activities with our community outreach arm, the WPI Venture Forum.
- A student organization, the Collegiate Entrepreneurs Organization (CEO) at WPI, part of a nationwide organization that supports and fosters entrepreneurial intentions among college students.

The CEI@WPI ALL-OUT Business Plan Challenge. All WPI students are eligible to compete for cash and in-kind prizes and the opportunity to advance to other competitions.

For more information on the Collaborative for Entrepreneurship and Innovation, please contact Gina Betti, Associate Director, CEI, 226 Washburn at 508-831-5761; gbetti@wpi.edu.

STUDENT EXCHANGES

As technology and commerce become increasingly international in outlook, students in engineering, science and management must learn about countries and cultures other than their own. To respond to this need, WPI offers its students an extensive range of opportunities to broaden their academic and cultural perspectives through study in a foreign country. Unlike many other exchanges, the WPI program is structured to allow students to work directly with foreign students, faculty, and professionals, and to live in residences with the students of the host institution. For WPI students on these exchanges, time is usually available for additional travel, before or after the formal academic period.

WPI presently offers undergraduate exchanges with universities in Canada, Germany, Mexico and Sweden as described in detail below.

These exchange programs typically involve third-year students, though qualified sophomores and seniors have been accepted. Students could go on these exchanges for a semester or a full year. Where perfecting a foreign language is part of the program in Germany or Sweden, a full year abroad is more common. **The principal academic emphasis in all exchanges is upon course work.** In such programs, students must work closely with their advisor, the academic advisor of the exchange program, and the program coordinator at the site to design an individual program of study. Students have the responsibility of obtaining prior tentative approval from their department that courses taken abroad will count towards departmental distribution requirements. For final transfer credit evaluation, students must provide upon return the necessary detailed information on the content of courses taken abroad and the satisfactory completion of all work. In some exchanges, opportunities exist to complete project work (IQP, MQP, and Humanities and Arts requirement). The exchanges offer exceptional possibilities for projects comparing American and overseas applications of technology and the impact of technology on society.

For more information on these programs, consult with Leanne Johnson in the Project Center or the academic advisor listed for each program.

LANGUAGE REQUIREMENTS

The usual language of instruction at most of the exchange institutions is the official language of the host country. While these institutions may offer a few courses taught in English, most lectures will be given in a foreign language. Thus, exchange students who intend to complete substantial course work must acquire the necessary language background. In some cases intensive language instruction can be arranged on site. In other cases, students acquire the language background through courses taught at WPI or other colleges, or by self study. A few exceptions exist at some technical universities where the official language of instruction may be English. For information about language requirements, inquire with the academic advisor listed for each program or Pam O'Bryant in the Project Center.

ECOLE POLYTECHNIQUE; MONTREAL, QUEBEC, CANADA; EXCHANGE

Coordinator: Leanne Johnson, Project Center
Academic Advisor: Prof. W. A. Bland Addison,
Salisbury Labs 02

The Ecole Polytechnique de Montréal provides WPI students with the opportunity to study in French without incurring the cost of transatlantic travel. The École Polytechnique is located in the beautiful cosmopolitan city of Montreal, known for a rich variety of cultural activities, night life, and easy access to winter sports. This program offers a unique opportunity for an inside look at francophone culture within Canada today. Students study and socialize with French-speaking students at Poly and can take French language courses at the University of Montreal. In coordination with the academic advisor of the program, students can complete French language or French-Canadian Studies sufficiencies or IQPs through the exchange.

MONTERREY INSTITUTE OF TECHNOLOGY; MONTERREY, MEXICO; EXCHANGE

Coordinator: Leanne Johnson, Project Center
Academic Advisor: Prof. Cosme Furlong-Vazquez, Higgins Labs
WPI has established an exchange agreement with Monterrey Institute of Technology (The Instituto Tecnológico y de Estudios Superiores de Monterrey, ITESM). ITESM was founded in 1943 and is the foremost private technological and management university in Mexico, with programs available in Spanish at the main campus in Monterrey in northern Mexico. Some opportunities also exist for study at selected ITESM satellite campuses at 25 other locations in Mexico, by special arrangement in advance. WPI students have excellent opportunities to study engineering, science, and management in this leading Spanish-speaking university. In addition, ITESM offers special courses for North Americans wanting to learn how to do business in Latin America, and a full program of residential and academic study for English-speaking students seeking to increase their knowledge of Spanish language and culture.

ROYAL INSTITUTE OF TECHNOLOGY; STOCKHOLM, SWEDEN; EXCHANGE

Coordinator: Leanne Johnson, Project Center
Academic Advisor: Holly Ault, Higgins Labs 207
WPI and the Kungliga Tekniska Hogskolan (Royal Institute of Technology, KTH) in Stockholm, Sweden, have arranged an exchange for WPI students learning Swedish. KTH is a four-year technical university which is divided into ten different schools of engineering which are relatively independent of each other and control their own admissions.

The academic year, approximately August 25 to May 31, is divided into eight periods of four weeks (three weeks of classes and one week of unscheduled activities). Most courses last three to four periods; others may be shorter or longer. Final examinations for courses are normally given three to four times a year and can be taken repeatedly without having to repeat a course. There are some courses with regular examinations. Many students live in rooms and apartments in the city of Stockholm; some live in accommodations provided by the student union. Some scholarship aid is available, and students may fulfill their Sufficiency requirement through the -exchange.

TECHNICAL COLLEGE; MUNICH GERMANY; EXCHANGE

Coordinator: Leanne Johnson, Project Center
Academic Advisor: Prof. David Dollenmayer, Alden 209
The "Technical College" is an institute for applied technology studies. Located in Munich, the FHSM has approximately 10,000 students. It offers degree programs in civil engineering, mechanical engineering, electrical engineering and computer science/engineering. For students who have developed adequate proficiency in Germany, the FHSM offers the possibility of completing a co-op assignment in Germany.

WORCESTER CONSORTIUM COURSE CROSS-REGISTRATION

The Worcester Consortium for Higher Education consists of the following institutions: Anna Maria College, Assumption College, Atlantic Union College, Becker College, Clark University, College of the Holy Cross, Nichols College, Quinsigamond Community College, Massachusetts College of Pharmacy, Tufts School of Veterinary Medicine, University of Massachusetts Medical School, Worcester State College and WPI. Full-time WPI students who cross-register for courses at other Worcester Consortium colleges pay no extra fees. Students are limited to one course per semester. The no-charge plan does not include evening colleges or summer school. The Consortium provides buses which make frequent trips every day to all participating institutions.

Students interested in registering for Worcester Consortium courses should discuss their program with their advisors, and then obtain regulations and registration forms from the Registrar's Office.

COOPERATIVE EDUCATION PROGRAM

THE CO-OP PROGRAM

A Division of the Career Development Center

The WPI Cooperative Education Program provides an opportunity for students to alternate time in the classroom with extended periods of paid, full-time, career-related work experience in industry or private and government agencies. The program, which is optional at WPI, entails work assignments from six to eight months in duration which begin in either January or May.

Most students elect to participate in one co-op placement, though students may choose to work for more than one assignment. Students who participate in the co-op program can graduate on time especially when they have advance placement course work. It is recommended that students pre-plan during their first or second year at school. Preparation of a total college plan with the student's academic advisor is required to ensure a compatible scheduling of work periods and academic courses.

In order to qualify for the co-op program, students must meet the following requirements:

1. they must have completed two years of study but may not participate once they have started their senior year,
2. they must be in good academic standing (students cannot be on academic warning or probation),
3. they are only permitted to register for project credit during the co-op assignment with the approval of their academic and project advisors, co-op supervisor and co-op program coordinator, and
4. they must be full-time students.

Exceptions to any of these requirements are made by submitting a written petition to the Coordinator of Cooperative Education who consults with the WPI Registrar for a final decision.

ADVANTAGES TO STUDENTS AND EMPLOYERS

Co-op offers several advantages to students:

1. Participating in co-op helps students make career-related decisions.
2. Students can test classroom learning in the real world.

3. Co-op earnings enable students to pay a significant portion of their college expenses.
4. Students improve their after-graduation job prospects by gaining valuable work experience. In fact, more and more companies are using their co-op program to identify candidates for full-time permanent positions when the students graduate and/or seek candidates with co-op experience from other companies.

Employers also benefit in a number of ways:

1. Co-op students can handle assignments that may be difficult for untrained personnel, but that do not require the talents of full-time professionals.
2. The program gives employers the chance to judge the actual on-the-job performance of potential permanent employees.
3. Retention rates for permanent employees recruited through a co-op program are higher than for those hired through other routes.

THE PLACEMENT PROCESS

Students should attend the co-op orientation. Those who are interested in participating in the co-op program must register with the Career Development Center (CDC) several months before the start date of the work assignment.

Employers seeking to fill a co-op position provide the CDC with a brief job description. Students decide which jobs they are interested in applying for and the CDC forwards their resume to the appropriate companies. Some employers interview candidates on campus; others review resumes and then invite selected students for on-site interviews. The final hiring decision is left to the employer. The student is free to interview with more than one employer and to choose among the employment offers received. It often takes several months before the student is placed in a co-op assignment.

A co-op position is not guaranteed, but every effort is made to locate appropriate work assignments for qualified students. More than 300 employers have provided co-op opportunities to over 2000 students since the program began in 1976. The search for additional employers is an on-going activity.

OTHER CONSIDERATIONS

The employment experiences gained through the Cooperative Education Program do not substitute for, nor qualify as Major Qualifying Project (MQP) or Interactive Qualifying Project (IQP) requirements. These experiences, however, often generate ideas for qualifying projects with the cooperating companies.

For some students, the co-op orientation and registration period overlaps with an off campus activity, usually involvement with an IQP at one of our project centers. Students should not think that this prevents them from applying for co-op positions since our office has developed systems for dealing with their absence. Students who will be off campus during the orientation and registration period should contact the Career Development Center before their departure to complete the registration process in advance.

INFORMATION AND REGISTRATION

Students interested in exploring the possibility of participating in the program should contact:

Career Development Center
Project Center, Lower Level
(508) 831-5260

During the summer, many courses central to planning major programs of study are offered at a time when all facilities are easily accessible. This is a great time to

- Make up a missing course
- Lighten the load for the next year
- Speed up your time to degree completion

This term also offers an exceptional opportunity to participate in certain types of project activity on a convenient basis since classrooms and laboratories will be less crowded and outside field work unlimited due to weather conditions. The use of the independent study has made it possible to present more individually-oriented course work during this term where class sizes are generally smaller. Many courses offered during Term E are included in the supplement to the catalog which is distrib-

uted to all students in March. A special summer study website is available at www.wpi.edu/+Summer, in March. Students planning to participate in Term E should register at the regular spring registration period.

Term E also offers an excellent opportunity to complete a qualifying project or Sufficiency through a full-time effort during a single term. Students from other campuses are also invited to participate in the work of this term.

Admission to the summer session does not imply admission to regular academic year programs. Students desiring to continue their work at WPI following the summer session should seek admission following standard WPI admissions procedures issued through the Admissions Office.

For more information on the summer session, contact the Summer Session Office at (508) 831-5517.

AWARDS AND PRIZES

Awards and prizes are determined by the academic department or by selected committees.

COLLEGE AWARDS

SALISBURY PRIZE AWARDS

These historic awards are made to 14 highly meritorious seniors. These awards were established by Stephen Salisbury, a WPI founder and former president of the Board of Trustees.

TWO TOWERS PRIZE

This prize is awarded to the student who, through general academic competence, campus leadership, regular course work and special work in research and projects, best exemplifies a combined proficiency in the theoretical and practical union implicit in the Two Towers concept, which is at the heart of WPI's Two Towers tradition.

SIGMA XI AWARDS IN ENGINEERING AND SCIENCE

These awards in engineering and science are given to the students and their advisors for the Major Qualifying Projects which are judged to be the best in originality, contribution to the field, professional competence, and for the most useful applications.

PRESIDENT'S IQP AWARDS

These awards are given to student teams whose conception, performance, and presentation of their Interactive Qualifying Projects have been judged outstanding in focusing on the relationships among science, technology, and the needs of society.

PROVOST'S MQP AWARDS

These awards offer recognition to those students who have completed outstanding Major Qualifying Projects as a demonstration of their competency in a chosen academic discipline. Each academic department conducts its own competition to select the winners.

UNITED TECHNOLOGIES CORPORATION MINORITY AWARD

This award is presented to an outstanding minority undergraduate student.

OUTSTANDING WOMEN STUDENT AWARDS

Marietta E. Anderson Award, an award which is presented to the most outstanding woman student in one of the three lower classes who not only has a superior academic record, but also has been a work-study student, participated in recognized extracurricular activities, and has been a volunteer for college-sponsored activities.

Funds from an anonymous donor provide the following awards to women students preparing for careers in engineering or science. Awards are based on academic excellence, contributions to the WPI community, and professional goals. The awards are named each year for women who have played significant roles at WPI.

Bonnie-Blanche Schoonover Award, honoring WPI's former librarian.

Ellen Knott Award, honoring a long-time secretary in the Mechanical Engineering Department.

Gertrude R. Rugg Award, honoring WPI's late Registrar Emerita.

WILMER L. AND MARGARET M. KRANICH PRIZE

Students who are seniors or completing their junior year will be nominated by faculty for the annual award. The award will go to a student majoring in engineering, science or management who best exemplifies excellence in the humanities and in the full integration of humanities into his/her undergraduate experience. Double-majors who fulfill one major in Humanities and Arts are not eligible.

SPECIAL AWARDS

ALPHA PHI OMEGA SERVICE AWARD

AMERICAN INSTITUTE OF CHEMISTS FOUNDATION *Chemistry and Biochemistry*

An award by the New England chapter of the American Institute of Chemists to honor outstanding seniors majoring in chemistry and biochemistry.

AMERICAN SOCIETY FOR METALS: CHESTER M. INMAN '14 OUTSTANDING STUDENT AWARD *Mechanical Engineering*

The Worcester Chapter of the American Society for Metals presents \$200 to a student for excellence in a Major Qualifying Project dealing with processing or materials science.

HAROLD S. BLACK AWARD*Electrical and Computer Engineering*

This award was established in 2001 to honor the memory of inventor Harold S. Black '21. The award is given by the faculty of the Electrical and Computer Engineering (ECE) Department to one or more ECE seniors who have demonstrated outstanding creativity and enthusiasm in engineering problem solving, practical implementation of problem solutions, and exemplary character in their contributions to the welfare of the WPI community.

CENTRAL NEW ENGLAND AIChE AWARD FOR SIGNIFICANT CONTRIBUTION*Chemical Engineering*

This award is given to an individual in recognition of significant contributions to the American Institute of Chemical Engineers.

CLASS OF 1879 PRIZE FOR OUTSTANDING PROJECTS IN THE HUMANITIES*Humanities and Arts*

This prize is awarded by the Humanities and Arts Department each year to three students for excellent work in Humanities and Arts Sufficiency projects. Sufficiencies must demonstrate exceptional creativity and skill in conceiving, developing and expressing a theme within any discipline in the humanities and arts.

COMMUNITY SERVICE AWARD PRESENTED IN THE MEMORY OF EDWIN B. COGHLIN '23*Alumni Office*

This award recognizes individuals who have demonstrated an extraordinary personal commitment above and beyond their normal involvement on campus in both academic and extracurricular activities.

COMPUTER SCIENCE OUTSTANDING JUNIOR AWARD*Computer Science*

This award is presented to a computer science junior who has an excellent academic record and who shows promise for continuing success.

COMPUTER SCIENCE OUTSTANDING SENIOR AWARD*Computer Science*

This award is presented to one or more computer science seniors who have an outstanding record and who have contributed to the enrichment and professional development of fellow students.

JAMES F. DANIELLI AWARD*Biology and Biotechnology*

This award, given by the Department of Biology & Biotechnology, honors the memory of Dr. James F. Danielli, a former department head and world-famous scholar.

FRANK D. DEFALCO AWARD*Civil and Environmental Engineering*

Award to WPI undergraduate Civil Engineering students who has completed two and one half years towards a B.S., interested in career constructed facilities and a member of ASCE student chapter.

ETA KAPPA NU OUTSTANDING STUDENT AWARD*Electrical and Computer Engineering*

The electrical and computer engineering honor society presents this award to the outstanding senior and junior in recognition of their academic achievement and their service to the WPI community.

GENERAL CHEMISTRY ACHIEVEMENT AWARD*Chemistry and Biochemistry*

This award is given to the student who has completed the freshman chemistry course with superior academic performance. Department award.

ALLAN GLAZER AWARD*Mechanical Engineering*

Established in 1992 by the family and friends of Allan Glazer '47, this award is given to a junior majoring in mechanical engineering who has demonstrated outstanding academic achievement, special ingenuity in problem solving, and enthusiasm for engineering challenges.

GOAT'S HEAD AWARD*Student Government Association*

Awarded annually to the outstanding new Senator of the year.

THE ROBERT H. GODDARD AWARD*Physics*

Established by the classes of 1908 and 1909 as a memorial to Dr. Goddard, this prize is awarded for outstanding achievement, scholarship, consistent effort and dedication of purpose in both theoretical and experimental areas of physics.

HEALD BROTHERS SCHOLARSHIP*Mechanical Engineering*

This scholarship identifies and supports outstanding young men and women who represent, in modern form, the spirit of "Yankee Ingenuity" that characterizes the evolution of the great manufacturing enterprises from the beginnings of the American Industrial Revolution.

ANDREW HOLT MEMORIAL AWARD*Civil and Environmental Engineering*

This award is presented to a civil engineering senior who has consistently earned academic honors and who shows excellent promise for success.

STEVEN J. KAHN AWARD*Humanities and Arts*

This award is presented to the outstanding senior in the WPI Glee Club in recognition of his contribution, commitment, and unwavering loyalty to the organization.

THE WILLARD ELLIOT LAWTON-SAMUEL JAMES PLIMPTON AWARD*Physics*

Established in honor of Professors Lawton and Plimpton, this award is presented to a student who has shown improvement in scholarship, not only in grades but also in depth of understanding.

LINCOLN ARC WELDING FOUNDATION AWARD*Civil and Environmental Engineering*

This award recognizes outstanding achievement in solving design, engineering, fabrication, and research problems.

MEDWIN HONORS STRING QUARTET SCHOLARSHIP*Humanities and Arts*

Scholarship money is given to the members of the Medwin Honors string Quartet (4 string players, 2 violins, 1 viola, 1 cellist), who are selected by audition each year.

THE ALFRED R. AND JANET H. POTVIN AWARD*Biomedical Engineering*

Separate awards are given to the outstanding undergraduate and graduate student in Biomedical Engineering in recognition of their academic performance and their service to WPI and/or the outside community.

MANAGEMENT EXCELLENCE AWARD*Management*

This award is given to one or more seniors who have demonstrated ability in courses and projects and who exhibits outstanding promise of future success in the field of management engineering.

CARL F. MEYER IMPROVEMENT AWARD**IN CIVIL ENGINEERING***Civil and Environmental Engineering*

Established by Professor Emeritus Meyer, this award is presented to the civil engineering senior who has demonstrated the most improvement in academic and professional attitude since entering the department.

RICHARD V. OLSON AWARD*Mathematical Sciences*

Established to honor the memory of mathematics Professor Richard V. Olson, this annual award to a WPI sophomore recognizes outstanding performance in basic mathematics courses.

EDWARD C. PERRY AWARD*Mechanical Engineering*

This award is given annually to an engineering student or students for an outstanding major qualifying project in the area of mechanical design. The award is made possible through a bequest from Miriam Perry Goll and honors the memory of her father, Edward C. Perry '04, a design engineer with General Electric Company throughout his professional career.

PI TAU SIGMA AWARD FOR EXCELLENCE*Mechanical Engineering*

The mechanical engineering honor society, Pi Tau Sigma, presents this award to the outstanding junior mechanical engineering student.

SENIOR MATHEMATICAL SCIENCES MAJOR AWARD*Mathematical Sciences*

This award is presented to the senior mathematical sciences major who has shown outstanding performance and who has made valuable contributions to the WPI mathematical community.

SOCIETY OF MANUFACTURING ENGINEERING SCHOLARS AWARD*ME/Manufacturing Engineering Program*

An MFE senior, recommended by the MFE faculty and confirmed by the officers of SME chapter 25, who has demonstrated excellent scholarship, leadership, service, potential to contribute to the profession of Manufacturing Engineering.

The award includes scholarship assistance (\$900) for full-time study if the winner enrolls in WPI's graduate MFE program.

SOCIETY OF MANUFACTURING ENGINEERING UNDERGRADUATE SCHOLARSHIP AWARD*ME/Manufacturing Engineering Program*

Awarded to a 1st, 2nd, or 3rd year MFE major, recommended by the MFE faculty and confirmed by the officers of SME chapter 25, who has demonstrated excellent scholarship, commitment, and contribution to the Manufacturing Engineering program at WPI.

SOCIETY OF MANUFACTURING ENGINEERS OUTSTANDING STUDENT AWARD*ME/Manufacturing Engineering Program*

The top three MFE majors each year, regardless of year, who have not already received the award.

SOCIETY OF MANUFACTURING ENGINEERS MQP AWARD*ME/Manufacturing Engineering Program*

An MFE major, selected by a panel of practicing manufacturing engineers to have the best MQP in the area of Manufacturing Engineering.

STUDENT-ALUMNI INTERACTION AWARD*Alumni Office*

This award is presented by the WPI Alumni Association in recognition of individuals who, through their involvement on campus, have facilitated the continuing development of interaction between students and alumni. Recipients are full-time undergraduate students who have demonstrated extraordinary personal commitment to WPI and the Alumni Association above and beyond the normal involvement on campus.

The award is designed to recognize students who have stepped forward to become leaders in the alumni and student communities and, in doing so, have benefited both WPI students and alumni in a unique and purposeful way.

CHARLES O. THOMPSON SCHOLARS*Academic Advising*

Named in honor of the first president of WPI, this honor recognizes outstanding performance by first-year students.

To be eligible for membership, students must receive all A's and B's, with a minimum of six A's, in their academic subjects during the first three terms at WPI. Selections are made in Term D.

A cash award is presented to the outstanding first year student. Charles O. Thompson Scholars are eligible to apply for this award by submitting an essay to the Office of Academic Advising during D Term.

ACS UNDERGRADUATE AWARD IN ANALYTICAL CHEMISTRY*Chemistry and Biochemistry*

Award which is intended to encourage student interest in analytical chemistry and to recognize a student who displays an aptitude for a career in the field. This award is for third-year students.

WALL STREET JOURNAL AWARD*Management*

The Wall Street Journal presents this award to a senior with an outstanding record of achievement.

ENGINEERING SOCIETIES

All engineers are professionals in accordance with the definition of engineering, one of which states that “engineering is the profession in which a knowledge of the mathematical and natural sciences gained by study, experience and practice is applied with judgment to develop ways to utilize, economically, the materials and forces of nature for the benefit of mankind.”

Professional engineers also observe a code of ethics, exercise judgment and discretion while providing their services, and are involved in a confidential relationship with their clients. Professional engineers enjoy legal status, use professional titles, and associate together through professional societies.

An excellent way to begin learning about the status of the professional engineer is to join the student branch of a professional society relevant to your interests. At WPI, students are encouraged to join the student branches of such societies as the American Society for Metals (ASM), American Society of Mechanical Engineers (ASME), the Institute of Electrical and Electronic Engineers (IEEE), the American Society of Civil Engineers (ASCE), the American Institute of Chemical Engineers (AIChE), the American Institute of Aeronautics and Astronautics (AIAA), the Association of Computing Machinery (ACM), the American Nuclear Society (ANS), the Society of Automotive Engineers (SAE), the Society of Manufacturing Engineers (SME), the Society of Fire Protection Engineers (SFPE), the Society of Women Engineers (SWE), the American Chemical Society, (ACS), and the Society of Hispanic Professional Engineers (SHPE). For information on these organizations, see the appropriate department head.

Undergraduate students should begin the process of becoming professionally registered and licensed by following the steps detailed in the next section.

ENGINEERING REGISTRATION AND LICENSING

In order to become a “Professional Engineer” (P.E.) and enjoy the legal status which affords certain rights, privileges and responsibilities, engineers must qualify through the formal procedures of registration and licensing. Procedures vary from state to state, but in most cases, the applicant must pass a Fundamentals of Engineering Examination.

FUNDAMENTALS OF ENGINEERING EXAMINATION

To become legally registered as a professional engineer (P.E.), candidates must submit data regarding formal education and technical ability to the appropriate state Board of Registration for Professional Engineers. Two major examinations, The Fundamentals of Engineering Examination (also called Engineering-in-Training, E.I.T.) and the Professional Practice Examination (P.P.E.), must be successfully completed as a

measure of technical ability. The Fundamentals Examination must be taken first; the Professional Practice Examination must then be taken after a designated period of substantial professional experience, usually a minimum of four years. File applications for E.I.T. by January 1. The E.I.T. Examination will be given in mid-April and late-October. File applications for Professional Practice Examinations (P.P.E.) six months in advance.

There are several possible qualification paths to registration as a P.E. The quickest and most common route is to obtain a degree from an ABET (Accreditation Board for Engineering and Technology-formerly ECPD) accredited curriculum, and to acquire the specified amount of suitable professional level experience in addition to passing the two examinations mentioned above. There are seven ABET accredited curricula at WPI-biomedical engineering, civil engineering, chemical engineering, electrical and computer engineering, manufacturing engineering, industrial engineering, and mechanical engineering. Persons with an unaccredited degree can still become registered in most, but not all, states by submitting evidence of a longer “apprenticeship” period (variable by states) before taking the two examinations. Students should strive, if at all possible, to pursue a program which is accredited by ABET and should work closely with their advisors and appropriate major departments to assure that the total program qualifies for accreditation, since this will greatly facilitate the achievement of registration in the future.

ALL SENIOR ENGINEERING MAJORS IN BME, CE, CHE, ECE, ME AND MFE ARE URGED TO TAKE THE FUNDAMENTALS OF ENGINEERING EXAMINATION WHICH IS GIVEN ON CAMPUS EACH FALL AND SPRING. There will never be a better time!

Refresher courses for students, alumni and practicing engineers are available. Successful completion of this examination is normally the first step in eventually obtaining the right to use the initials “P.E.”

WPI’s Office of Continuing Education sponsors an eleven session EIT Refresher course from mid-January through mid-April on the WPI Campus. The course, which is taught by WPI faculty, includes reviews of the major topics covered on the exam. For further information, call 508-831-5517.

DESCRIPTION OF FUNDAMENTALS OF ENGINEERING EXAMINATION (F.E.E.)

Typical Date Given: Last Saturday in October (also in April).

Typical Application Deadline: First week in September (also in January).

Duration: Eight hours.

Type: Multiple choice, open book.