

GREAT MINDS CONNECT

The WPI Career Development Center connects leading organizations with students and alumni through a variety of events and services. You may also engage with us through our website and social media channels below.



 facebook.com/CDCatWPI

 instagram.com/wpi_cdc

 youtube.com/user/CDCatWPI

 twitter.com/CDCatWPI

 pinterest.com/cdcatwpi

* No fee associated with these recruiting services.

GREAT MINDS MULTIPLIED

Worcester Polytechnic Institute is one of the nation's premier technology-focused universities. Project-based learning is the core of WPI's curriculum. Students enhance their strong understanding of the fundamentals of their respective fields through hands-on, real-world project and research experiences. In the process, they master critical thinking, learn to work in teams, fine-tune written and oral communication skills, and connect their education to local and global issues.



“

I had an excellent time at the WPI Career Fair. I met a number of exceptional WPI students eager to discuss, in full-detail, their MQP work and other research activities. My company chooses to employ WPI students because WPI produces high caliber students who acclimate well into an industry environment.

”

—Brooke Czapkowski, Pfizer

WPI PROJECT-BASED LEARNING IMPROVES GRADUATES' ABILITIES TO:

- develop ideas and solve problems
- speak and write clearly and effectively
- gain knowledge to inform future plans
- manage projects
- excel as both team players and leaders
- use current technology
- think globally and be culturally aware

SOURCE: WPI Alumni Survey

ATTRIBUTES EMPLOYERS SEEK ON A CANDIDATES RESUME:

- Ability to work on a team (82.9%)
- Problem-solving skills (82.9%)
- Written communication to people inside and outside the organization (80.3%)
- Leadership (72.6%)
- Strong work ethic (68.4%)

SOURCE: National Association of Colleges and Employers Job Outlook 2018



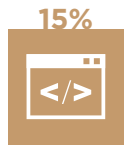
GREAT MINDS AT THE READY

TOP MAJORS

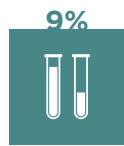
Undergraduate Programs (Full-time)



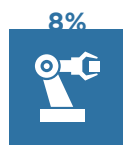
Mechanical Engineering



Computer Science



Biomedical Engineering

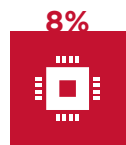


Robotics Engineering

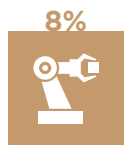


Chemical Engineering

Graduate Programs



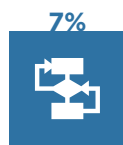
Electrical & Computer Engineering



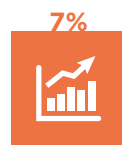
Robotics Engineering



Mechanical Engineering



Systems Engineering



Master of Business Administration

STUDENT BODY

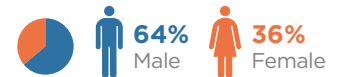
6,428

Total Students



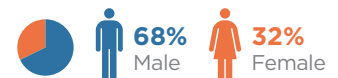
4,337

Undergraduate Students



2,091

Graduate Students



For detailed information on the WPI student body, see wpi.edu/+factbook.

DID YOU KNOW?

LEADERSHIP DEVELOPMENT

WPI students are well-rounded leaders and explorers who partake in more than 200 clubs, organizations, and professional associations.

Representative Professional Associations

-  **American Society for Mechanical Engineers**
-  **Biomedical Engineering Society**
-  **National Society of Black Engineers**
-  **Society of Hispanic Professional Engineers**
-  **Society of Women Engineers**
-  **Women in Computer Science**

Students are also involved in honor societies, athletic teams, community service clubs, fraternities and sororities, music and theatre groups, and more.

MAJORS AND PROGRAMS

WPI offers 64 majors and programs in engineering, science, social science, humanities and arts, and business.

Pioneering Interdisciplinary Programs

-  **Bioinformatics and Computational Biology**
-  **Cybersecurity**
-  **Data Science**
-  **Interactive Media & Game Development**
-  **Robotics Engineering**

For a full listing of departments and programs, see wpi.edu/+programs.

GREAT MINDS SOLVE PROBLEMS

Students solve real-world problems and perform meaningful research from their first days on campus. Undergraduates complete at least two substantive, term-long projects, focused on solving real-world problems. At the same time, graduate students are breaking ground on cutting-edge research in state-of-the-art campus laboratories and centers.



4 TIMES

GRADUATE STUDENT INNOVATIONS LICENSED AT **4 TIMES** THE RATE OF OTHER MAJOR RESEARCH UNIVERSITIES

40+

PROJECT CENTERS ON **SIX** CONTINENTS (AY17-18)

72%

2017 GRADUATES WITH OFF-CAMPUS PROJECT EXPERIENCE



INTERACTIVE QUALIFYING PROJECT (IQP)

Small teams of students from different majors address a specific problem for a sponsoring agency that connects science and technology with social issues and human need—oftentimes completed off campus at a global project center.

MAJOR QUALIFYING PROJECT (MQP)

Through this capstone research experience, students prove their ability to translate theory into practice in their major field. They define a problem, immerse themselves in understanding every aspect, and develop a novel solution. These projects are often sponsored by industry partners, including:

AbbVie, Inc
Amadeus North America
Amazon Robotics
Barclays
Boston Scientific
General Electric

iRobot Corporation
Juniper Networks
MIT Lincoln Laboratory
NVIDIA
Pfizer
UMass Medical

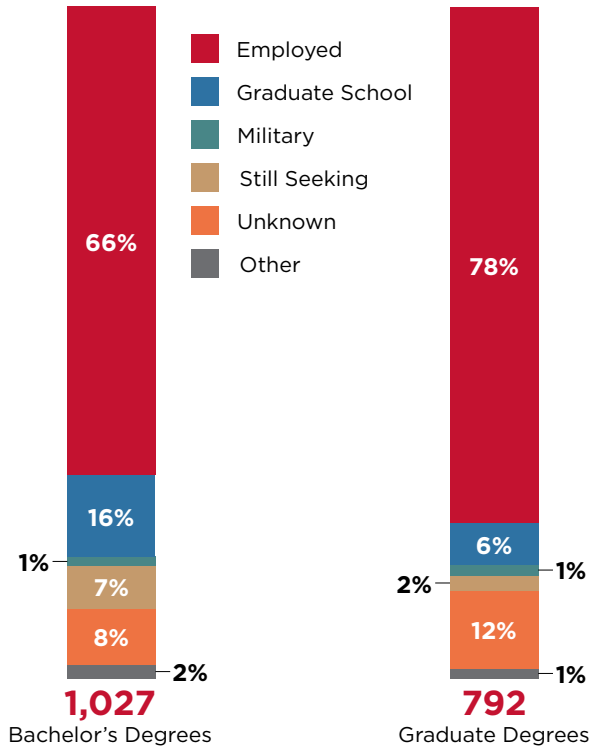


SUMMER INTERNSHIPS AND CO-OPS

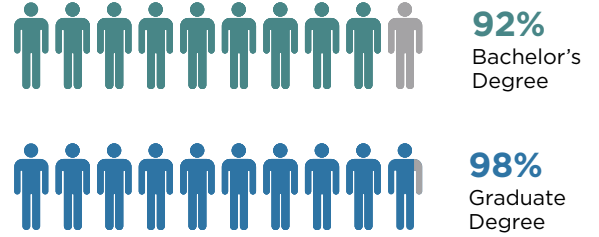
Each year hundreds of WPI students participate in internships and co-op positions to explore career options, gain real-world experiences, and earn income. Employers relish the opportunity to work with new talent while identifying best fits for future full-time hires.

GREAT MINDS SUCCEED

FIRST DESTINATIONS CLASS OF 2017



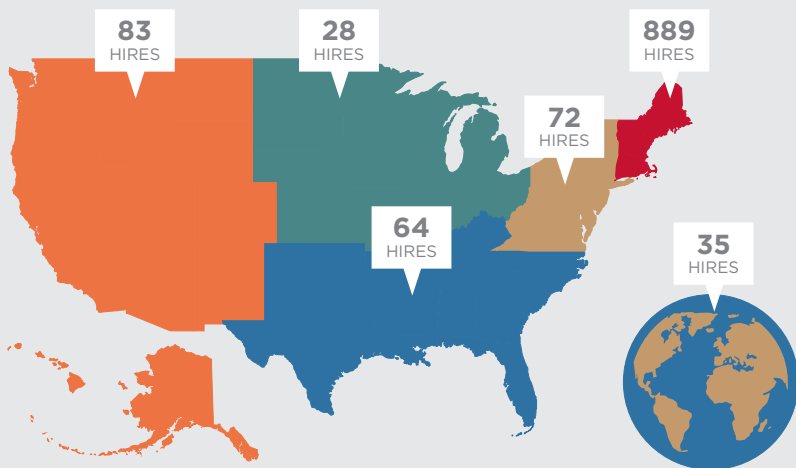
POST GRADUATION SUCCESS* CLASS OF 2017



For detailed statistics on the post-graduation outcomes of WPI students, visit wpi.edu/+gradreport.

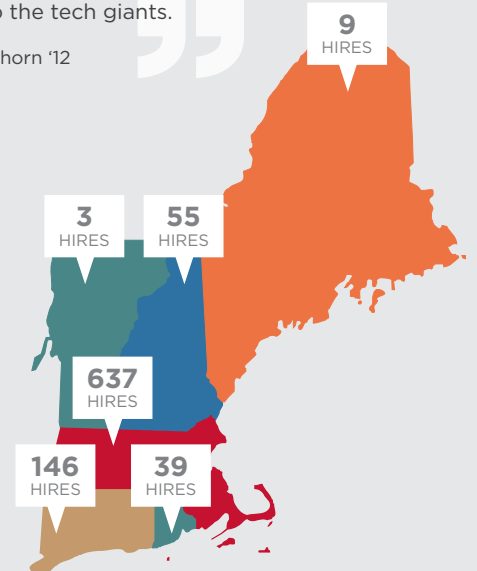
*NOTE: Students obtaining employment, starting graduate school, or entering the military within six months of graduation (90% knowledge rate)

GLOBAL IMPACT CLASS OF 2017



“The west coast was appealing to me during my job search because of the wide range of opportunities available—from start-ups to the tech giants.”

—Nathanael Thorn '12



WPI graduates are highly sought after by employers locally and around the globe. Many continue to make an impact and build local connections in New England, while others venture to communities throughout the world.

PARTNER WITH CAREER DEVELOPMENT CENTER

To find out more information on partnering with the WPI Career Development Center, including a complete list of the services we provide our employer partners, please visit us at wpi.edu/+hireWPI or contact a CDC staff member at cdc@wpi.edu. Some of the activities designed to help enhance your recruiting strategy include:

JOB POSTINGS

Recruit WPI talent for full-time, part-time, internship, co-op, and research (i.e. fellowships, REU's) opportunities by posting positions on our online job posting and recruitment platform.

CAREER FAIRS AND CAREER EXPOS

Participate in our annual Fall, Spring, and virtual Career Fairs or a career expo focused on a specific academic discipline.

HOST A CORPORATE INFORMATION SESSION OR INFORMATIONAL TABLE

Provide general information about your organization and the opportunities available by coming to campus to interact with a wide range of WPI talent.

ON-CAMPUS INTERVIEWS

On-campus interviewing utilizing the corporate interview suite at the Career Development Center is available throughout the academic year.

STUDENT RESUME DATABASE

View resumes of current students and recent alumni or search by major, class year, and keyword to find your best candidate pool.

EMPLOYER IN-RESIDENCE

Join the WPI CDC staff to assist us with student appointments, including resume critiques. A company will be featured as our employer in-residence for the day and meet with students 1:1.

NETWORKING EVENTS

Spend an evening interacting with students, alumni, and other professionals to exchange information, share advice, and develop contacts.

EDUCATIONAL PROGRAMS

Participate in a range of educational programs for students such as mock interviews or elevator pitch critiques.

CAREER RELATED PRESENTATIONS AND PANELS

Participate in a panel or present on topics such as Interviewing Skills, How to Work a Career Fair, Summer Internship Job Search and others.

COMPANY TOURS

Corporate tours are a great way to introduce students to your organization. The Career Development Center will work with companies, faculty and student organizations to arrange a tour.

CDC STAFF CONSULTATION VISITS

Meet with a CDC staff member on-campus, at WPI Seaport, or on-site to discuss a partnership strategy for your organization.

MARKETING

Advertise information about your organization through our social media platforms or on campus, such as our student newspaper *The Towers*.

SPONSOR AN ACADEMIC PROJECT

Work closely with WPI faculty and students on a Major Qualifying Project. To learn more, contact the Director of Corporate Relations at 508-831-5260.

OFFICE SPONSORSHIPS

For maximum visibility to WPI students, consider campus and office sponsorships. To learn more, contact the Director of Corporate Relations at 508-831-5260.

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CORPORATE SPONSORED PROJECTS OVERVIEW

WPI's distinctive project-based approach transforms bright students into thoughtful, action-oriented problem solvers who hit the ground running. Sponsor a project to engage the fresh perspective and technical skills of a dedicated student team, guided by top-notch faculty, to tackle pressing business challenges. Partners from the private sector, governments, and non-profit organizations are integral partners in providing a real-world educational experience for WPI students.

Our record shows that research and ideas presented by WPI students translate into tangible solutions for project sponsors. You'll have access to WPI alumni and students who understand the fundamentals of their chosen fields, work effectively in teams, think creatively, and have the skills and confidence to dive right in.

FREQUENTLY ASKED QUESTIONS

What benefits do project sponsors receive?

Project sponsors gain solutions to problems through student work and faculty advising of the project. Additionally, sponsors gain a unique opportunity to screen future talent and build relationships with faculty advisors that benefit the organization over time. Faculty gain exposure to industry problems providing more valuable material for the curriculum and enabling a WPI education to become more effective. At the end of the project, the sponsoring organization receives a report (and sometimes analytics, designs/prototypes, etc) of the work completed.

What is required for a sponsored project to launch?

Sponsored projects require a project concept from the sponsoring organization and a commitment to mentor and support the students. In order to launch a project, WPI must have a faculty advisor and interested students willing to partner with the organization and complete the project. A formal agreement is required to establish the parameters of the partnership between the organization and WPI. Some projects become sequential and build on each other over time.

Does the sponsored project program have fees?

Yes, for each sponsored project there is a financial commitment. In providing support to the WPI Projects Program and the program objectives, sponsoring organizations provide a negotiated project fee. There may also be materials and travel related expenses depending on the project structure and needs. Sponsoring organizations interested in having a discussion about projects and fees may contact a member of the WPI Corporate Engagement team.

What type of project is appropriate to provide as a sponsor?

WPI strongly advocates for non-mission critical projects that will benefit an organization's work, but will not interfere with mission-critical work. By nature, projects are an academic exercise and students and faculty require flexibility to explore concepts and solve the problems presented. The initial project pitch from a company takes the form of an "abstract" with 1-2 paragraphs outlining the problem or project parameters.

The faculty and sponsor work together to scope the project and create benchmarks for the students with the work leading to a final presentation. Some sponsored projects are targeted for undergraduate experiences (**Major Qualifying Projects / MQP's**) and some sponsored projects are targeted at graduate-level students (**Graduate Qualifying Projects / GQP's**). The WPI Sponsored Project Administration Team can work with organizations to find the best level and best academic programs available to address the sponsored proposal.

I potentially have sensitive information included as part of the project, how does WPI manage this?

The WPI Corporate Engagement Team is familiar with these concerns. We work with organizations to understand these sensitivities prior to the projects moving forward. When the project details are agreed to, WPI's General Council's office works with each sponsoring organization to prepare the necessary agreement and forms for each project. WPI's agreement contains provisions that address confidentiality, intellectual property and the publication/presentation of the project work.

Who can I contact about getting involved with sponsored projects?

If you are interested in a discussion regarding sponsored projects, please contact Sharon Deffely, Executive Director of Academic & Corporate Engagement (sdeffely@wpi.edu / 508-831-5635) and David Ortendahl, Director of Corporate Relations via email (dbo@wpi.edu / 508-831-5831).

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2017 ENROLLMENT AND SALARY STAT SHEET

UNDERGRADUATE

FULL-TIME DEGREE SEEKING UNDERGRADUATE ENROLLMENT, FALL 2017

	ENROLLMENT	CLASS OF 2018*	2017 AVG. STARTING SALARY**
Actuarial Mathematics	40	12	\$65,000
Aerospace Engineering	238	67	\$61,288
Applied/Engineering Physics	3	-	n/a
Architectural Engineering	60	14	\$60,000
Biochemistry	64	25	\$42,500
Bioinformatics & Computational Biology	21	3	n/a
Biology/Biotechnology	137	33	\$41,591
Biomedical Engineering	403	111	\$57,168
Business/Management	27	4	n/a
Chemical Engineering	331	127	\$65,360
Chemistry	29	7	n/a
Civil Engineering	173	54	\$59,100
Computer Science	626	169	\$83,672
Economic Science	4	1	n/a
Electrical & Computer Engineering	326	110	\$74,267
Environmental & Sustainability Studies	3	1	n/a
Environmental Engineering	66	16	\$55,669
Humanities & Arts	3	2	n/a
Industrial Engineering	96	33	\$70,003
Interactive Media & Game Development	98	29	\$73,025
Liberal Arts & Engineering	4	-	n/a
Management Engineering	66	24	\$68,667
Management Information Systems	14	5	\$74,857
Mathematical Sciences	65	16	\$67,500
Mechanical Engineering	803	256	\$64,300
Physics	55	16	\$70,333
Psychological Science	4	1	n/a
Robotics Engineering	341	107	\$68,916
Society, Technology, & Policy	3	-	n/a
To Be Declared	141	-	n/a
TOTAL	4244	1243	\$66,983

* Students with a double major counted in both disciplines

** n/a indicates insufficient data to calculate average salary

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2017 ENROLLMENT AND SALARY STAT SHEET

GRADUATE

FULL-TIME AND PART-TIME DEGREE SEEKING GRADUATE ENROLLMENT, FALL 2017

	MASTERS		PHD
	TOTAL	2017 AVG. STARTING SALARY*	TOTAL
Aerospace Engineering	26	\$70,000	9
Applied Mathematics	6	n/a	
Applied Statistics	28	n/a	
Biochemistry	1	n/a	9
Bioinformatics & Computational Biology	6	n/a	7
Biology and Biotechnology	25	n/a	16
Biomedical Engineering	20	\$78,313	24
Bioscience Administration	11	n/a	
Business Administration		n/a	13
Chemical Engineering	9	\$72,100	17
Chemistry	2	n/a	13
Civil Engineering	19	\$62,000	12
Computer Science	100	\$94,000	39
Construction Project Management	18	n/a	
Data Science	110	\$78,500	30
Electrical & Computer Engineering	127	\$88,889	43
Environmental Engineering	24	n/a	
Financial Mathematics	29	\$50,667	
Fire Protection Engineering	90	\$88,750	12
Industrial Mathematics	2	n/a	
Information Technology	98	\$83,533	
Interactive Media & Game Development	16	n/a	
Interdisciplinary		n/a	4
Learning Sciences & Technology	2	n/a	14
Management	31	n/a	
Management of Technology	2	n/a	
Manufacturing Engineering Management	1	n/a	
Manufacturing Engineering	30	\$63,000	9
Marketing and Innovation	58	\$43,000	
Master of Business Administration (MBA)	141	\$112,786	
Materials Process Engineering	5	n/a	
Materials Science and Engineering	39	\$69,333	37
Mathematical Sciences		n/a	26
Mathematics for Educators	20	\$55,000	
Mechanical Engineering for Tech Leaders	4	n/a	
Mechanical Engineering	131	\$76,150	30
Operations Analytics & Management	58	\$84,000	
Operations Design & Leadership	2	n/a	
Physics	5	n/a	18
Physics for Educators	2	n/a	
Power Systems Engineering	43	\$103,500	
Power Systems Management	35	\$95,500	
Robotics Engineering	137	\$87,208	31
Social Science		n/a	1
Supply Chain Management	1	n/a	
System Dynamics	7	n/a	1
Systems Engineering	149	\$91,500	4
Systems Thinking	2	n/a	
TOTAL	1672	\$85,341	419

* n/a indicates insufficient data to calculate average salary

The average starting salary for students graduating with a Ph.D. degree in 2017 was **\$72,722**.

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INTERNSHIP AND CO-OP INFORMATION SHEET

UNDERGRADUATE

The average hourly wage for undergraduate summer interns in 2017 was **\$20.08**

MAJOR	AVG. HOURLY WAGE
Actuarial Mathematics	\$21.10
Aerospace Engineering	\$19.50
Architectural Engineering	\$17.50
Biochemistry	\$16.00
Biology & Biotechnology	\$18.07
Biomedical Engineering	\$19.56
Chemical Engineering	\$21.73
Civil Engineering	\$16.88
Computer Science	\$25.64
Electrical & Computer Engineering	\$23.08
Environmental Engineering	\$16.75
Industrial Engineering	\$21.16
Mechanical Engineering*	\$18.67
Robotics Engineering	\$24.40

* 2016 Data

GRADUATE

The average hourly wage for graduate summer interns in 2017 was **\$32.56** for masters and Ph.D.

MAJOR	AVG. HOURLY WAGE
Chemical Engineering**	\$19.00
Civil Engineering**	\$16.33
Computer Science*	\$32.07
Data Science	\$34.67
Electrical & Computer Engineering**	\$21.02
Fire Protection Engineering	\$23.00
Information Technology*	\$25.17
Robotics Engineering*	\$24.24

* 2016 Data, ** 2015 Data

FREQUENTLY ASKED QUESTIONS

What is a co-op program?

Co-op (Cooperative Education) is an undergraduate, non-credit, paid, work experience that complements and reinforces classroom learning while allowing students to maintain full time student status. Co-op increases awareness of the day-to-day operations of industry and exposes students to professional standards and the methods used to accomplish objectives in a business environment.

How does the co-op program at Worcester Polytechnic Institute (WPI) work?

WPI defines co-op as a 4-8 month full-time and paid working experience, which typically runs between January-August or May-December. Students pursue these opportunities on their own and the application process works similarly to that of a full-time or summer internship position.

Who is eligible to participate in co-op?

Undergraduate students across all disciplines with classes to come back to after completing their co-op are eligible to participate, as are graduate students in some programs.

Additionally, the co-op program is open to both domestic and international students.

What is the average salary a student receives for a co-op experience?

The average salary for a co-op position varies depending on discipline and length. For a more detailed breakout of co-op/internship wages by major, please visit wpi.edu/offices/cdc/research-salaries.html.

What is the best way to advertise the opportunity and when is the best time to recruit for these positions?

The best place to advertise your opportunities is on WPI's online job board system, Handshake. It is used by WPI students and alumni to find full-time, part-time, internship, and co-op opportunities. To post these positions, go to wpi.joinhandshake.com. Once you register for a Handshake account, go to the jobs tab and select "add new" to upload a position. We see companies recruiting for co-op positions anywhere from 1-6 months in advance and recommend starting as early as possible.

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