CLOCKWISE FROM TOP: Engineering students studying in Lopata Gallery; students enjoy the first signs of spring near the Engineering buildings; Professor Shelly Sakiyama-Elbert (left) works with a biomedical engineering student, Jessica Butts.

Photos by Devon Hill
We aim to prepare you for leadership roles.

Today's college students want to have an impact and to make contributions toward solving national and international challenges in a variety of areas, including health, energy, environment, security, and poverty. Just as important, they understand they are citizens of a global society.

What high school students may not know is that engineering has become a universal degree for those who enjoy math and science, no matter what career path they ultimately choose. You find today's engineering graduates pursuing careers in medicine, law, business, architecture, and public policy, as well as engineering.

Our engineering students see the connections between studying engineering and benefiting society, and they are innovative thinkers who want to work across disciplines to solve problems.

The School of Engineering & Applied Science at Washington University seeks to attract students who have the talents and desire to make a difference — students like those who are featured in this book. As you read about each of them, we hope you will see our school's character, and our goals and ambitions for all of our students. We invite you to learn more about us online at engineering.wustl.edu, or follow us on facebook.com/WUSTLEngineering and Twitter (@WUSTLEngineers). We especially encourage you to visit our campus and meet with current students and faculty to see firsthand how we are working to solve some of the greatest challenges of the 21st century.

2 Academic Programs, Majors & Minors
6 Study Abroad & International Experiences
10 Research, Design Projects & Internship Opportunities
14 Entrepreneurship & Innovation
18 Student Organizations
22 Campus & Neighborhoods
26 Career Opportunities
28 Financial Assistance, Scholarships, & Admissions
29 Campus Resources
Engineering majors

Biomedical Engineering
Bachelor of Science in Biomedical Engineering
>> bme.wustl.edu
Biomedical engineers have a tremendous impact on the lives of people around the world, developing lifesaving cures and improving quality of life. Studying biomedical engineering allows students the opportunity to learn the principles of engineering and biology to solve problems at molecular to whole-body levels. Undergraduate students work with engineering and medical faculty on projects ranging from surgical devices and imaging techniques to bioactive materials and drug delivery systems. Biomedical engineering graduates enter careers spanning biomedical, engineering, and related fields; attend medical school; or pursue advanced degrees through master’s or doctoral programs.

Computer Science & Engineering
Bachelor of Science in Computer Science; Bachelor of Science in Computer Engineering
>> cse.wustl.edu
Computing and computing systems, from super-computers to smartphones to networked sensors, have transformed science and society. You can join this exciting field, learning from faculty contributing to this innovation. They build polarization cameras for safer cancer surgery, create software that motivates middle-graders to learn to program, propose computational models for genome evolution, process millions of webcam images to better understand climate change, deploy sensors to monitor bridges’ structural safety, and develop algorithms that automatically annotate your Flickr™ photos.

Electrical & Systems Engineering
Bachelor of Science in Electrical Engineering; Bachelor of Science in Systems Science & Engineering
>> ese.wustl.edu
In Systems Science & Engineering, students learn how to design control schemes such as fighter planes, missiles, medical robots, and cars. Students also learn techniques to manage business operations, financial analysis, supply-chain networks, and operations schedules. In Electrical Engineering, students learn to design, implement, and analyze electrical and electronic systems. Examples include energy generation and distribution, wireless telephones, television, control systems, data analysis, defense and security, medical devices, imaging, and computers.

Energy, Environmental & Chemical Engineering
Bachelor of Science in Chemical Engineering
>> eece.wustl.edu
As home to the country’s first Department of Energy, Environmental & Chemical Engineering, our programs attract students interested in developing renewable energy sources, alleviating the shortage of clean water, improving air quality, and understanding climate change.

Mechanical Engineering & Materials Science
Bachelor of Science in Mechanical Engineering
>> mems.wustl.edu
Students studying Mechanical Engineering work with faculty on topics ranging from renewable energy and efficient vehicles, to nanotechnology, manufacturing, and biomechanics. Our mechanical engineering students learn about the mechanics of solids and fluids, thermodynamics and heat transfer, the science of materials, and the principles and techniques of mechanical engineering design.
Individually Designed Major (IDM)
Many of the most interesting and developing areas of engineering and applied science do not fit within a single undergraduate major. Students can create an Individually Designed Major (IDM) under the direction of a faculty adviser. Sample IDMs include biomedical informatics, imaging, energy engineering, robotics, computer graphics, and more.

Consider a Minor or Second Major
A majority of undergraduate engineering students pursue a minor or second major in engineering or other disciplines, such as economics, music, jazz studies, visual communications, political science, history, entrepreneurship, foreign language, dance, drama, psychology, or more than 100 other options.

Study of the Liberal Arts
You will have the opportunity to take a number of credits in the humanities and social sciences. We feel it is particularly important for engineering students to gain a deep understanding of other cultures and languages. Our Engineering Technical Writing Program teaches you oral and written communication skills that are critical to your future success.

Introduction to Engineering
The variety of our introductory engineering courses conveys the excitement and problem solving thinking that characterize engineering. During your first year with us, you may take one or more of these courses to explore and help you select a major.

Engineering Freshman Seminar
This weekly one-credit seminar gives an introduction to the School of Engineering & Applied Science and helps prepare students for academic success.

Bachelor of Science/Master of Science (BS/MS) and Bachelor of Science/Master of Engineering (BS/MEng) Programs
This program is offered by some engineering departments and provides undergraduate engineering students with the opportunity to plan a coordinated five-year program of studies in the school, leading to both the bachelor’s and master’s degrees. The program requires at least 150 units and normally takes five years to complete.

Bachelor of Science/Master of Business Administration (BS/MBA) Program
The School of Engineering & Applied Science and the Olin Business School, one of the top business schools in the nation, offer a five-year program leading to the Bachelor of Science in Engineering degree and the Master of Business Administration degree. The program normally takes five years to complete.
Mariah Cushman

HOMETOWN
Buenos Aires, Argentina, and Truckee, California

MAJOR
Chemical Engineering

MINOR
Environmental Engineering

STUDY ABROAD
Campinas, Brazil

EXTRACURRICULAR
Society of Women Engineers, Residential Advisor

CO-OP
Process Engineer for DuPont Nutrition and Health
Home to the Department of Energy, Environmental & Chemical Engineering, Brauer Hall features state-of-the-art laboratories, including electronically equipped collaboration points for students like Mariah to meet with other students and discuss undergraduate research projects.

“Since I am interested in combating global climate change, my study abroad program allowed me to work in one of the top research laboratories in Latin America and get hands-on experience with alternative energy research in Brazil.”

>> View Mariah’s blog “WashU through the eyes of an undergraduate”: wustladmissionsmariah.wordpress.com

100+ study abroad programs offered in 50 different countries around the globe
Study Abroad &
International Experiences

Our engineering students have the opportunity to study abroad through the College of Arts & Sciences Overseas Programs, but there are also opportunities available only to engineering students — including summer-, semester-, or yearlong study programs. Students can travel to further study engineering or pursue other cultural experiences to enhance academics through a second major or a minor.

For example, students have visited China to learn about biomedical engineering applications that have led to senior design projects. Some students have traveled throughout Asia to learn about nanotechnology, renewable energy, and environmental technologies. Others have learned about medical imaging methods in Germany or participated in engineering programs in Israel. All of these programs, however, are unique to Washington University and offered exclusively for our engineering students.

Courses
WUSTL engineering students can also gain a global perspective without traveling abroad. Many courses within the engineering curricula include topics relevant to worldwide audiences, such as global climate change. Engineering students can also participate in the university’s Global Certificate program, an opportunity to develop global competence and learn practical skills through a diverse, interdisciplinary education.

“Engineering is so much more than just solving problems and performing calculations; it requires an understanding of different cultures and worldviews in order to address the world’s most pressing concerns. I’m so thankful that I was able to participate in this once-in-a-lifetime opportunity.”

— Brittany Radke, Chemical Engineering
International Experience in Campinas, Brazil

>> Watch international experience videos produced by students: youtube.com/WUSTLengineering

Engineering-specific study abroad programs:*

Amman, Jordan
Sustainable Technology

Auckland, New Zealand
Mechanical, Computer, and Electrical & Systems Engineering

Beijing, China
Biomedical Engineering

Cape Town, South Africa
Engineering

Dublin, Ireland
Engineering

Edinburgh, Scotland
Engineering

Eindhoven, Netherlands
Biomedical Engineering

Herzliya, Israel
Computer Science

Hong Kong, China
Biomedical Engineering and Energy, Environmental & Chemical Engineering

Istanbul, Turkey
Engineering

London, England
Engineering

Madrid, Spain
Engineering

Mumbai, India
Engineering

Queensland, Australia
Engineering

Reykjavik, Iceland
Renewable Energy

Seoul, South Korea
Nanotechnology

Tel Aviv, Israel
Electrical Engineering

* List includes past and current programs.
photos courtesy of WUSTL engineering students abroad

engineering.wustl.edu/studyabroad
Corban conducts undergraduate research at Washington University School of Medicine in the Consortium for Translational Research in Advanced Imaging and Nanomedicine (C-TRAIN) as a McKelvey Scholar. Undergraduate scholars receive an award to conduct research with a Washington University faculty member in engineering, medicine, or the sciences.

“Working in a research lab at the medical school has rekindled my childhood joy for invention. I knew that this was what I wanted to do. Moreover, I now feel that there is no experience that could be as challenging, yet rewarding, as research is for me.”

60% of Engineering undergraduate students engage in research and independent projects with faculty.
Corban Swain

HOMETOWN
Huntsville, Alabama

MAJOR
Biomedical Engineering

MINOR
Nanoscale Science and Engineering

RESEARCH
C-TRAIN, summer research in biomedical engineering

EXTRACURRICULAR
WU-SLam Vice President, Biomedical Engineering Society Member, Professional Photography

HONORS & AWARDS
McKelvey Undergraduate Research Scholar, George Washington Carver Award
Research, Design Projects & Internship Opportunities

Through research, design projects, and internship opportunities, you will have the opportunity to blend theory and practice, develop critical workplace skills, and earn a salary. A number of local companies, such as Boeing, MasterCard, Monsanto, and Answers™, hire our students as interns and sponsor student projects.

Undergraduate students have numerous opportunities to participate with faculty on research projects, including helmet design for reducing impact to the brain, assistive technology for people with cognitive disabilities, sensor signal processing on mobile robots, cell and tissue engineering for biomedical applications, and the synthesis of nanomaterials for use in energy, as well as environmental technologies, new technologies, and devices for brain-computer interactions, and so much more.

Sustainability Design

Students are participating in a pioneering project to make some university-owned housing more sustainable. The project is designed to find the most efficient way to renovate 1920s and ’30s-era apartment buildings owned by the university’s nonprofit housing office to become more environmentally friendly. Buildings will be renovated in pairs, with one renovated using standard procedures and the other renovated using sustainable procedures. Over time, students will compare energy data from both buildings to determine the effectiveness of the sustainable renovations.

Independent Study

An independent study project by a chemical engineering undergraduate student led to the installation of an electric car-charging station outside of the new engineering complex. The student is collecting data from the charging stations to compare with data from a gasoline-powered car and a hybrid car.

Biological Systems Research

Students also have the opportunity to do research in the Center for Biological Systems Engineering at Washington University. Research within the center focuses on modeling, predicting, and designing functions of biological systems that result from integration of signals and responses of biomolecular and cellular networks.

>> Watch videos online to hear from students working on undergraduate research projects: engineering.wustl.edu/undergraduateresearch

World-class faculty

Associate Professor Lan Yang recently received a Presidential Early Career Award for Scientists and Engineers — the highest honor bestowed by the U.S. government on science and engineering professionals in the early stages of their careers.

Professor Lihong Wang has received numerous awards and honors for his pioneering work inventing or discovering novel biomedical imaging technologies.
Grace Kuo

HOMETOWN
Ellicott City, Maryland

MAJOR
Electrical Engineering

MINOR
Physics, Art

EXTRACURRICULAR
President, Rube Goldberg Club and Juggling Club

RESEARCH
Summer research in electrical engineering

AWARDS
Russell R. Pfeiffer Outstanding Junior Award, Antoinette Frances Dames Award
Grace works on the Green Machine for the 2014 Rube Goldberg Machine Contest. The WUSTL team won the People’s Choice and second-place awards. The national competition was held at the Center of Science and Industry in Columbus, Ohio. The machines are judged on storytelling, complexity (they must have at least 20 steps), machine flow (can you follow what’s happening), humor, and the use of everyday items for tasks for which they were not intended.

“Being a part of the Rube Goldberg Club has greatly enriched my academic experience by allowing me to experiment with engineering concepts in a fun, hands-on way.”

300 student organizations, including sports clubs, fraternities and sororities, preprofessional organizations, and student government associations

>> Watch the WUSTL Green Machine Rube Goldberg challenge: youtube.com/WUSTLEngineering
Throughout the rich history of the School of Engineering & Applied Science, our faculty, students, and alumni have both developed new concepts and implemented them. While the school continues to emphasize advances in theoretical knowledge, we also actively promote the application of new discoveries by enhancing the climate of entrepreneurism.

**Annual Undergraduate Engineering Discovery Competition**

Our engineering undergraduate students have the special opportunity to compete for $25,000 annually to help them develop prototypes and start companies.

**Curriculum & Connections**

The school offers courses on technology entrepreneurship, and students can minor in Entrepreneurism through the Olin Business School. The school connects Engineering students with alumni entrepreneurs and mentors to help students start and grow companies.

**T-REx**

Students will trade their campus classroom for working space at T-REx, a new St. Louis tech incubator offering startup companies affordable offices. As part of the course, students take part in consulting projects for resident entrepreneurs at T-REx to better understand the inner workings of growing a business from the ground up.
**Answers™**

David Karandish and Chris Sims, both 2005 computer science graduates in the School of Engineering & Applied Science, founded Announce Media with the goal of better organizing the Internet consumer’s online retail experience. Now known as Answers™, the company is a profitable, global enterprise with a portfolio of search and community content-driven websites that help consumers find what they are looking for (Answers.com). With the company headquarters near Washington University, our Engineering students intern with the company and act as “mini-CEOs” for one of its more than 150 vertical sites.

**Square Inc.**

Jim McKelvey, an alumnus of the School of Engineering & Applied Science, teamed with Twitter founder Jack Dorsey to start Square Inc., the largest mobile payment platform in the nation. More than 2 million vendors now use the startup’s technology. The company signed Starbucks Corp. as a merchant, bringing with it a $25 million investment.

**Sparo Labs**

Alumni Andrew Brimer and Abigail Cohen were part of a student-led team that founded Sparo Labs, which stemmed from an award-winning project to develop a low-cost spirometer, a device that measures lung function. The low-cost device could give asthma patients in the U.S., as well as healthcare providers in developing countries, access to this powerful technology, which was specially designed for accuracy and durability.

**Retectix**

Matthew MacEwan, an engineering and medical student, founded Retectix, a company developing advanced surgical products using nanotechnology, such as a mesh used to repair injuries to the brain and spinal cord. Matthew received a $50,000 award through Washington University’s Olin Cup competition to help start his company. The Olin Cup is sponsored by Olin Business School and the Skandalaris Center for Entrepreneurial Studies.

Washington University ranks No. 5 in the Princeton Review’s Top 25 Undergraduate Schools for Entrepreneurship Programs.

67 courses offered universitywide
Engineers in Service to Society

Clinton Global Initiative University
Several School of Engineering & Applied Science student teams presented their commitments to action at the sixth annual Clinton Global Initiative University (CGI U) at Washington University.

CGI U, led by President Bill Clinton and Chelsea Clinton, brought together more than 1,000 college students with innovators, thought leaders, and civically engaged celebrities to make Commitments to Action to address the most pressing challenges facing their campuses and communities in areas such as education, environment and climate change, human rights, poverty alleviation, and public health.

Young Engineers Club
Each Tuesday, Engineering undergraduate students lead the after-school Young Engineers Club at Brittany Woods Middle School in University City. The club was started to reach out to middle-school students from groups traditionally underrepresented in the science, technology, engineering, and math (STEM) fields.

Each week, the group has a different lesson and hands-on activity, for which the institute provides supplies. One activity involved building a bridge out of paper that was strong enough to support a shoe. A lesson in speed and velocity allowed students to create rockets with balloons and string. Another lesson in bionics led to students recreating a hand using only cardboard, straws, string, paper, and tape. The club’s greater purpose is to encourage students to study engineering.

Service Across the Globe
Engineers Without Borders/Engineering World Health partners with developing communities to improve their quality of life by implementing environmentally sustainable, equitable, and economical engineering projects while developing internationally responsible engineers and engineering students. Engineering World Health focuses on engineering problems related to medical technology. The groups are involved with local projects for communities and nonprofit organizations and with projects across the globe assisting communities and populations in need.

>> Watch videos about CGI U and the Engineering teams that presented their commitments to action: engineering.wustl.edu/CGIU

70% of WUSTL students participate in community service
Watch a video to learn more about the Engineers Without Borders project at Mekele School for the Blind in Ethiopia: ewbwashu.org
Student Organizations

WUSTL engineering students can choose to be involved in more than 200 student organizations and athletic teams. Our students are leaders in service organizations, student government, arts and cultural groups, and varsity athletic teams. You can also participate in preprofessional societies, religious groups, and special-interest groups.

If you are looking for ways to reach out to the community, Washington University and its surrounding neighborhoods offer a variety of opportunities. Washington University students participate in campus-sponsored community service projects, such as Relay For Life, Dance Marathon, Alternative Spring Break, Service First, Give Thanks Give Back, and various tutoring projects.

The School of Engineering & Applied Science encourages your involvement in extracurricular activities and organizations that add to the undergraduate experience, both academically and socially.

» Engineering Student Council (EnCouncil)
» Engineers Without Borders (EWB)
» Engineering World Health (EWH)
» Formula Society of Automotive Engineers (Formula SAE, known as Wash U Racing)
» Institute of Electrical & Electronic Engineers (IEEE)
» National Society of Black Engineers (NSBE)
» National Society of Professional Engineers (NSPE)
» Society of Hispanic Professional Engineers (SHPE)
» Society of Women Engineers (SWE)
» Tau Beta Pi (TBP)
» Washington University Tech Entrepreneurs (WUTE)

» Watch the Formula SAE Race Team (WURacing) video: youtube.com/WUSTLEngineering
Colin (number 44) plays H-back position on the Washington University Bears varsity football team. During the season, the team practices most weekdays, with games and travel on Saturdays.

“Being a student athlete at Washington University has allowed me to play the sport I love while also receiving a world-class education. Balancing the two has equipped me with valuable skills that will benefit me for the rest of my life.”

Engineering students are currently playing on university athletic teams.

>> Learn more about athletics at Washington University: bearsports.wustl.edu
Colin Webb

HOMETOWN
Wilmington, Illinois

MAJOR
Mechanical Engineering

EXTRACURRICULAR
Captain of the varsity football team, member of Phi Delta Theta, Student Athletic Advisory Committee, director of EN 120, intramural supervisor

INTERNSHIPS
Plant Engineering Intern with Exelon Nuclear, Management Development Intern with Starcon International
Campus & Neighborhoods

Our students and faculty are nothing short of inspiring. The same can be said of our campus and location. Centrally located, our campus offers myriad opportunities for enrichment and exploration.

Adjacent to Washington University is Forest Park, one of the largest urban parks in the nation at approximately 1,400 acres. In addition to space for tennis, golf, baseball, skating, jogging, rollerblading, bicycling, boating, and more, Forest Park includes several of St. Louis’ cultural institutions, including the zoo, science center, art museum, history museum (all with free admission), and the nation’s largest and oldest outdoor theater — The Muny. The park recently received $100 million in improvements, and it attracts more than 12 million visitors each year — especially for the many concerts, events, and festivals held there, such as the Shakespeare Festival and The Great Forest Park Balloon Race.

Neighborhoods

» Central West End
» Clayton
» Forest Park
» University City (The Loop)

Inside the inviting Collegiate Gothic buildings that give Washington University its special “look,” you will attend classes in our lecture halls, seminar rooms, science labs, studios, and language labs.

1,400 acres of land in Forest Park, located adjacent to campus
Lopata Gallery & Stanley’s Cafe

Brauer Hall

Forest Park, across from the Danforth Campus

The Loop

Central West End

>> Learn more about St. Louis and Engineering buildings on campus: youtube.com/WUSTLEngineering
Aaron Zemach

HOMETOWN
Deerfield, Illinois

MAJOR
Computer Science

MINORS
Writing, Music

EXTRACURRICULAR
Suspicious of Whistlers improv comedy group, Tau Beta Pi honor society

AWARDS
A.E. Hotchner Award for Play Writing

RESEARCH
Human-Computer Interaction Research Group
Aaron is a member of the Suspicious of Whistlers improv comedy group. They perform long-form improv, in which the audience suggests a topic, and the actors perform short plays based on that topic.

“Washington University was a good place for someone like me who has an interest in engineering, writing, and music. It’s a place that makes it very easy to take the classes you want and to pursue the majors and minors that interest you.”
Career Opportunities

Our engineering students take different paths after finishing their undergraduate years at Washington University. Some pursue graduate or professional school for eventual careers in medicine, law, or academia. Some immediately go into industry to pursue careers in engineering, business, public service, and architecture. Others pursue careers while working toward a graduate-level degree part time. No matter your ultimate career path, the experiences at Washington University will educate you to be prepared for graduate study and to be able to learn and adapt throughout your career.

Washington University Career Center

As you progress through your academic program, you will begin to think about the next step. Our Career Center offers career counseling, help with job-seeking skills, and workshops on writing résumés, interviewing, and networking skills. The center includes a comprehensive career resources library and offers on-campus recruitment interviews with major local, national, and international organizations. Our counselors work closely with you to help you obtain internship, co-op, job placements, and graduate school admittance appropriate to your career objectives, interests, abilities, and preferences.

Reported starting salaries for 2013 Bachelor of Science graduates (by major)

<table>
<thead>
<tr>
<th>Major</th>
<th>WUSTL Average</th>
<th>National Average *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical Engineering</td>
<td>$68,400</td>
<td>$46,900</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>$50,000</td>
<td>$47,900</td>
</tr>
<tr>
<td>Computer Engineering</td>
<td>$75,063</td>
<td>$66,900</td>
</tr>
<tr>
<td>Computer Science</td>
<td>$61,667</td>
<td>$59,500</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>$64,667</td>
<td>$63,900</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>$56,900</td>
<td>$59,500</td>
</tr>
<tr>
<td>Systems Science &amp; Engineering</td>
<td>$66,400</td>
<td>$59,500</td>
</tr>
</tbody>
</table>


67% 33%

of BS Engineering graduates enter the workforce after graduation enroll in a graduate or professional degree program

Select companies & organizations with Washington University graduates:

Abbott Laboratories
Accenture
Amazon.com
Anheuser-Busch InBev
Answers™
Bain & Company
bioMérieux Inc.
The Boeing Company
Boston Scientific
Burns & McDonnell
Capital One
Centene
Chevron Corp.
ConAgra Foods
Deloitte
Dow Chemical
Emerson
Environmental Systems Design
Exegy
ExxonMobil Corp.
Ford Motor Company
Garmin
GE Healthcare
General Mills
Google
Honda
Lockheed Martin
L’Oréal
Mattersight
Medtronic
Microsoft
MIT Lincoln Laboratory
Monsanto
Nestlé Purina PetCare Co.
Novumed
Peace Corps
Pfizer
Procter & Gamble
St. Jude Medical
Sigma-Aldrich
Solae
Teach for America
U.S. Patent and Trademark Office
Union Pacific Railroad
“Being at a school that was very integrated, both socially and academically, with a student body from all over, helped me become more well rounded, which I think is very important in becoming an entrepreneur.”

“My job blends the technical side with the aesthetic and creative side. I work with the designers in the studio, and I also work with the engineers. We’re creating a car that’s not only beautiful, but one that has to perform as well.”

“My degree taught me to ask the right questions, find the right experts, and find the right answers — and I can do that in pretty much any challenge I’m handed.”

“I’ve always felt that engineering is the best education you can possibly have, because it’s a problem-solving curriculum.”

“My engineering background has equipped me with skills and technical knowledge that I now use every day as a future physician, in both the hospital and the classroom.”

“Engineering brought a critical focus on all the decisions that I make. It’s figuring out how can we accomplish a mission as safely and effectively as possible.”
Financial Assistance, Scholarships, & Admissions

Scholarships
In 1966, the School of Engineering & Applied Science established an academic fellowship program to provide funding opportunities for students who have high academic potential. Incoming freshmen with exceptional promise are selected as Langsdorf Fellows to receive 100 percent tuition for four years of undergraduate study, provided the recipient maintains a satisfactory academic record. These awards are based solely on merit. Apply for them using the special application online or in our Scholarships brochure.

In addition to being able to apply for the Engineering academic fellowship program, applicants to the School of Engineering & Applied Science are eligible to apply for a James M. McKelvey Undergraduate Research Scholar award to support working with a faculty member on a research project.

Financial Assistance
We are committed to working with your family to understand your circumstances and provide the help you need throughout your undergraduate years. We offer a variety of financial assistance:

1. No-loan assistance packages for families with low incomes
2. Financial assistance awards that range up to the full cost
3. Merit-based scholarship programs
4. Need-based scholarships and other financial assistance
5. Free and easy financial assistance application
6. Individualized attention with your own financial assistance counselor
7. A commitment to helping you throughout your undergraduate years.

Let’s start the conversation early — we want to help
Contact Student Financial Services:
(888) 547-6670 or (314) 935-5900

Other Academic Scholarships
Students may apply for the John B. Ervin Scholars Program and be considered for the Enterprise Holdings Scholars Program, as well as apply for the Annika Rodriguez Scholars Program — all of which enhance the overall quality and diversity of the student body. Engineering applicants with an entrepreneurial spirit and vision may apply for the Entrepreneurial Scholars Program, a renewable annual scholarship of $3,000.

ROTC Scholarships
Army and Air Force scholarships, renewable annually, range up to full tuition, plus room and board, and a monthly tax-free allowance. For more information on Army scholarships, call (314) 935-5537, send an email to rotc@cec.wustl.edu, or visit rotc.wustl.edu. For more information on Air Force scholarships, call (314) 977-8227 or (800) 851-3048.

Admissions
We take your application for admission to Washington University very seriously. We review and assess each application individually and personally.

How do we make our admission decisions?
Students who come to Washington University have challenged themselves academically and personally during their high school years. Most candidates’ transcripts include four years of English, four years of mathematics (the School of Engineering & Applied Science recommends calculus), three to four years of history and social science, three to four years of laboratory science (the School of Engineering & Applied Science recommends biology, chemistry, and physics), and at least two years of a foreign language. Your senior-year transcript should show that you are continuing to take demanding courses and are doing well in them.

Most applicants take advantage of honors, Advanced Placement, and International Baccalaureate courses — if offered by their high schools. We also take into consideration standardized testing, letters of recommendation, extracurricular activities, and an essay.

Application Procedures
For specific details on how to apply, please refer to the 2014 Undergraduate Viewbook, visit our website at admissions.wustl.edu, or call (314) 935-6000 or (800) 638-0700.
International Students
For financial assistance information, see Financial Assistance for International Students at admissions.wustl.edu, or call (314) 935-6000 or (800) 638-0700 (within the U.S.).

For More Information
The Financial Assistance section of our website provides more information about financial assistance and financing programs. Applications and information about academic scholarships and fellowship competitions are included in our Scholarships brochure and can be submitted online through the wustl Pathway. For answers to specific questions, call the Office of Undergraduate Admissions at (314) 935-6000 or (800) 638-0700.

Nondiscrimination Policy
Washington University encourages and gives full consideration to all applicants for admission, financial aid, and employment. The University does not discriminate in access to, or treatment or employment in, its programs and activities on the basis of race, color, age, religion, sex, sexual orientation, gender identity or expression, national origin, veteran status, disability, or genetic information. Inquiries about compliance should be addressed to the University’s Vice Chancellor for Human Resources, Washington University, Campus Box 1184, One Brookings Drive, St. Louis, MO 63130.

Office of Undergraduate Admissions
Washington University in St. Louis
Campus Box 1089, One Brookings Drive
St. Louis, MO 63130-4899
(314) 935-6000 or (800) 638-0700 (within the U.S.)
Fax: (314) 935-4290
Email: admissions@wustl.edu
Web: admissions.wustl.edu

Engineering Admissions
School of Engineering & Applied Science
Washington University in St. Louis
Campus Box 1100, One Brookings Drive
St. Louis, MO 63130-4899
(314) 935-6000 or (800) 638-0700 (within the U.S.)
Fax: (314) 935-4301
Email: admissions@wustl.edu

For information about School of Engineering & Applied Science graduate programs, contact: gradengineering@seas.wustl.edu

Campus Resources

Residential Colleges
You will also learn “at home” in our Residential Colleges. As a new student on campus, you will reside in one of the Residential Colleges — living/learning communities in the “South 40” residence hall area. Each Residential College comprises two or three buildings that form a single community. Your Residential College offers a variety of learning choices, from the Social Justice Series, which features lectures and discussions on issues of social justice and opportunities for community service, to the Faculty Associates Program, in which faculty members actively participate in dinners, lectures, sporting events, and intramural activities. Upper-class students can form a group with similar interests — ranging from cultural studies to community service — and apply to live in the Village housing complex on campus.

Office for International Students and Scholars (OISS)
To foster understanding among the many cultures represented on our campus, OISS arranges social, cultural, and recreational activities. For students from countries other than the U.S., we will help you get started. We issue certificates of eligibility (visa documents), and we offer personal and cross-cultural counseling, as well as a special program in English as a second language.

To Schedule a Visit
We encourage you and your family to plan a campus visit to see Washington University’s strikingly beautiful campus and the School of Engineering & Applied Science in action. Call the Office of Undergraduate Admissions at (314) 935-6000 or (800) 638-0700. You can ask to meet with representatives and tour the school.

Customize Your Visit
If you are thinking about combining areas of study, participating in athletics, or putting an international spin on your college career, or if you have any other individual interests, we will incorporate those special elements into your campus visit. You can sit in on classes, have an on-campus interview, attend a meeting of a campuswide or engineering student organization, hear a concert, work out at the Athletic Complex, and meet our coaches. You can meet with a faculty member working in an area of interest to you, and tour our teaching laboratories. We also can arrange for you to meet with School of Engineering & Applied Science faculty and staff to answer any questions you might have about being a student here at Washington University.
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