

Graduate Fellowships for Engineering

Agency	Program	Website	Deadline	Eligibility	Fields Supported	Benefits
DOE	NNSA Stewardship Science Graduate Fellowship	http://www.krellinst.org/ssgf/about-doe-nnsa-ssgf/eligibility-program-requirements	2016-2017 application will be available late October 2016	U.S. citizen or permanent resident alien planning full-time, uninterrupted study toward a doctoral degree at an accredited U.S. university. Those eligible to apply include senior undergraduate students and first- and second-year graduate students	High Energy Density Physics, Nuclear Science, & Materials Under Extreme Conditions and Hydrodynamics	Pays for graduate study in schools with programs in the funded areas, up to 4 years, allowing students to focus on academics and research without excessive teaching or other support activities
DOE	Office of Science Graduate Research Program	http://science.energy.gov/wdts/scgsr/how-to-apply/	Applications are now open for The Office of Science Graduate Student Research (SCGSR) program. Applications are due November 21, 2016 at 5:00PM Eastern Time.	Currently enrolled PhD students at an accredited US University	Research must be match and be developed in consultation with a DOE lab	provides supplemental awards for Ph.D. students to conduct part of their graduate thesis research at a DOE laboratory for 3 to 12 consecutive months
DOD	SMART Scholarship	http://smart.asee.org/	Currently accepting applications	U.S. citizen; 18 or older; able to participate in summer internships at DoD laboratories; willing to accept post-graduate employment with the DoD; 3.0 GPA or higher; pursuing an undergraduate or graduate degree in one of the disciplines listed on the SMART page	All Engineering, + many other fields	Full tuition and education related fees, stipend of \$25,38,000, Summer Research Internships; Health Insurance; Supplies allowance; Mentoring; Post Graduation employment placement
DOD	National Defense Science and Engineering Graduate (NDSEG) Fellowship	https://ndseg.asee.org/	The 2017 NDSEG Fellowship Application is now open and will close on December 9, 2016 at 5 p.m. Eastern Time.	Be enrolled in their final year of undergraduate studies, or have completed less than two full-time years of graduate study in the discipline in which they are applying. You must intend to pursue a doctoral degree in order to be eligible for NDSEG Fellowship support. If you are awarded, you must start your tenure in the fall of that year.	All Engineering, + many other fields	NDSEG Fellowships last for three years and pay for full tuition and all mandatory fees, a monthly stipend, and up to \$1,000 a year in medical insurance
DOD	Army Outreach Program College Qualified Leaders (CQL) Apprenticeship program	http://www.usaeop.com/programs/apprenticeships/cql/	Application window: year-round			Program matches practicing DoD scientists with talented college and graduate students creating a direct mentor-student relationship, providing participants with training that is unparalleled at most colleges. CQL students receive firsthand research experience and exposure to DoD laboratories--CQL internship is primarily designed for greater than 6 month work-study internships. • CQL internships are available year round and for the summer only
DoN (Nav)	Naval Research Enterprise Internship Program	http://nreip.asee.org/	NREIP's Online Application closes on November 30, 2016	US citizen enrolled at 4 year accredited US University		10 week Summer internship at a DoN lab; Sophomores receive \$5,400.00; Juniors and Seniors receive \$8,100.00; Graduate students will receive \$10,800.00
NASA	NASA Aeronautics Scholarship Program	https://www.nasa.gov/offices/education/programs/descriptions/NASA_Aeronautics_Scholarship_Program.html#.VbEGafk4dXE	Currently closed--last year it was announced in January for a March deadline	May be in their final year of undergraduate study and already accepted into a master's or doctoral program or they may be currently enrolled in a master's or doctoral program and will not receive their degree until at least Spring 2017	Proposals must be aligned with NASA Aeronautics Mission Directorate research priorities	\$11,000 for tuition, \$35,000 stipend for 2 academic years, and Summer internship at a NASA research center with a \$10,000 stipend

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EPA	STAR Program	http://epa.gov/ncsr/rfa/2015/2015_star_grdfellow.html#Synopsis	May no longer exist: As per website: In 2015, STEM programs and activities across the Federal Government were consolidated and the resources for STAR and GRO programs have been redirected to the National Science Foundation (NSF). EPA stays committed to STEM education and the development of future environmental workforce	Master's or PhD students, enrolled at accredited US institutions	Air, Climate & Energy (ACE), Chemical Safety for Sustainability (CSS), Human Health Risk Assessment (HHRA), Safe and Sustainable Water Resources (SSWR), and Sustainable and Healthy Communities (SHC)	\$12,000 per year for tuition and fees, \$27,000 per year in a monthly stipend, and an annual expense allowance of \$5,000. Masters level students can receive support for a maximum of two years. Doctoral students can be supported for a maximum of three years with funding available, under certain circumstances, over a period of four years
NIH	Diversity Fellowships	http://grants.nih.gov/grants/guide/pa-files/PA-14-148.html	April, August or December 13 th of each year (until expiration date January 8, 2017)	Baccalaureate degree and be currently enrolled in a PhD or equivalent research degree program (e.g., EngD, DNSc, DrPH, DSW, PharmD, PsyD, ScD) in the biomedical, behavioral, or clinical sciences. The applicant must have identified a research project and sponsor , show evidence of high academic performance in the sciences, and a commitment to a career as an independent research scientist.	well-defined research projects in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers	Support: 5 years; Award budgets are composed of stipends, tuition and fees, and institutional allowance
GEM	GEM PhD Engineering Fellowship	http://www.gemfellowship.org/students/gem-fellowship-program/	Currently receiving applications (July 1 – November 15, 2016)	doctoral fellowships to underrepresented minority students who have either completed, are currently enrolled in a master's in engineering program, or received admittance into a PhD program directly from a bachelor's degree program. Fellowships may be used at any participating GEM Member University where the GEM Fellow is admitted		<ul style="list-style-type: none"> • \$16,000 stipend in the first academic year of the GEM Fellowship • GEM Member University provides a living stipend up to the 5th year of PhD program, equivalent to other funded doctorate students in the department • a minimum of one paid summer internship with a GEM Employer Member • full tuition and fees at a GEM University Member
Ford Foundation	Pre-doctoral Fellowships	http://sites.nationalacademies.org/pga/fordefellowships/pga_047958	Will open in September 2016 (and most likely be due in November)	Must enroll in a full-time PhD program (includes science, engineering and humanities categories)	science, engineering and humanities	<ul style="list-style-type: none"> • Annual stipend: \$24,000 • Expenses will be paid to attend at least one Conference of Ford Fellows • Access to Ford Fellow Regional Liaisons, a network of former Ford Fellows who have volunteered to provide mentoring and support to current fellows • 3 years of support
Congress	Barry Goldwater Scholarship and Excellence in Education Program	https://goldwater.scholarsapply.org/	On-line application opens 1st Tuesday in September; deadline January	For Undergraduates who will be pursuing graduate degrees in STEM/Engineering; Student must be nominated by their faculty representative to apply (which is listed as Jaime Seguel for UPRM)	STEM, engineering	maximum of \$7500 per academic year is granted