

Johns Hopkins University - Department of Mechanical Engineering - Scholarship and Fellowship Information

Updated September 3, 2020

Scholarship / Fellowship Name	Who is Eligible	Eligibility Requirements	Application Due Date(s)	Award
AIAA Foundation https://www.aiaa.org/scholarships/	Undergraduate and graduate students	Must be a current AIAA Student member in good standing Undergraduate students must have completed at least 1 academic semester of full-time college work Graduate students must have completed at least one (1) academic quarter or semester of full-time graduate-level college work and have a research topic approved Must have a minimum cumulative GPA of 3.300 on a 4.000 scale Applicant's education plan shall be such as to provide entry into some field of science or engineering encompassed by the technical activities of AIAA Unless otherwise noted, applicants must be enrolled in an accredited college or university within the U.S. or U.S. Territories Other requirements may apply -see website for details	January 31, 2021, 11:59pm	Range of awards - see website for details
Barry Goldwater Scholarship https://goldwater.scholarsapply.org/	Sophomore or Junior	1. Be a full-time (non-full time students may be nominated this year due to COVID-19) matriculated sophomore or junior pursuing a degree at an accredited 2- or 4-year institution of higher education during the 2020-2021 academic year, 2. Intend to pursue a research career in a natural science, mathematics or engineering 3. Have a college grade point average of at least a 3.00 on a 4.00 scale, and 4. Be a U.S. citizen from the 50 states or the District of Columbia; a U.S. national for those students nominated by institutions in Puerto Rico, Guam, Virgin Islands, American Samoa, and Commonwealth of the Northern Mariana Islands; or a permanent resident. A permanent resident nominated for the scholarship must include a letter stating his/her intent to become a U.S. citizen. A photocopy of the nominee's Permanent Resident Card, also known as the Alien Registration Card or Green Card, must also be submitted.	All candidates for scholarships are nominated by their college or university. All nomination materials are due on the last Friday of January at 5:00pm Central time. The Foundation will not solicit or accept applications directly from candidates but will advise applicants as to the appropriate procedures.	Each scholarship covers eligible expenses for undergraduate tuition, fees, books, and room and board, up to a maximum of \$7,500 annually. Scholarship monies not used during one academic year are not transferable to the succeeding academic year.
Brooke Owens Fellowship http://www.brookeowensfellowship.org/	Female Undergraduates	Anyone who a) identifies as a woman or another type of gender-minority, b) who is currently pursuing a bachelors or associates degree as of October 2020, and c) is interested in a career in any facet of the aerospace community is eligible. A note for applicants who are not US citizens or permanent residents: Internships at many Host Institutions are restricted to US citizens or US permanent residents (green card holders). We want to be up front about the fact that your odds are significantly lower than those of an applicant from the USA. Similarly, while students who are currently enrolled in the first year of their undergraduate program are eligible to apply, the lack of a transcript will make it more difficult to compete against our extremely talented applicant pool.	October 4th, 2020	Fellows are matched by industry leaders to specific intern positions at one of the most exciting organizations in aerospace. Each Fellow is also matched with two senior- or executive-level mentors—one at their host company and one elsewhere in the industry. During the summer, all Fellows come together for a exclusive, one-of-a-kind Summit. By earning her spot in the program, each Fellow is forever included in the Brooke Owens Fellowship network.
Churchill Scholarships http://www.winstonchurchillfoundation.org/index.html	Senior or recent graduate (12months)	An applicant for the Churchill Scholarship must be a citizen of the United States, either native born or naturalized, and must be a senior who is enrolled in one of the institutions participating in the Scholarship Program or a student who has graduated from one of those institutions within the past 12 months. Upon taking up the Churchill Scholarship, a Churchill Scholar must hold a bachelor's degree or an equivalent, and may not have attained a doctorate.	November 2nd, 2020, 5pm EST	Covers all University and College fees (currently about \$40,000) Scholars receive a living allowance, which in 2018-19 is £11,083 if enrolled in a nine-month program, £13,447 if enrolled in an eleven-month program, and £14,777 if enrolled in a full-year program. An allowance of up to \$1,500 for travel to and from the United Kingdom, as well as reimbursement of applications fees for a UK visa and health surcharge(\$500). Possibility of a Special Research Grant of up to \$2,000.
Department of Defense Science, Mathematics And Research for Transformation (SMART) Scholarship for Service Program https://www.smartscholarship.org/smart	Undergraduate and Graduate students	All awardees must be: A citizen of the United States, Australia, Canada, New Zealand, or United Kingdom at time of application, 18 years of age or older as of August 1, 2021 Able to participate in summer internships at a DoD facility, Willing to accept post-graduate employment with the DoD, A student in good standing with a minimum cumulative GPA of 3.0 on a 4.0 scale requesting at least 1.5 years of degree funding prior to graduation (which starts at the program start date) Pursuing a technical undergraduate or graduate degree in one of the disciplines listed on the "About SMART" page.	December 1, 2020 at 5:00 PM EST	Full tuition and education related fees (does not include items such as meal plans, housing, or parking) Stipend paid at a rate of \$25,000 - \$38,000 depending on degree pursuing (may be prorated depending on award length) Summer research internships ranging from 8 to 12 weeks Health Insurance allowance up to \$1,200 per academic year Miscellaneous Supplies Allowance of \$1,000 per academic year Mentoring at sponsoring facilities Employment placement at a DoD facility after graduation.

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Fulbright U.S. Student Program http://us.fulbrightonline.org/	Recent graduates, Master's and doctoral candidates	Applicants must be citizens or nationals of the United States of America at the time of application. Permanent residents are not eligible. Applicants must have a conferred bachelor's degree or the equivalent before the start of the grant. In the creative and performing arts, four years of professional training and/or experience meets the basic eligibility requirement. Applicants must be in good health. Applicants must have sufficient proficiency in the written and spoken language of the host country sufficient to communicate with the people and to carry out the proposed study/research. Applicants may hold a J.D. at the time of application.	Tuesday October 13, 2020 5:00 PM EST	Round-trip transportation to the host country Funding to cover room, board, and incidental costs, based on the cost of living in the host country Accident & Sickness Health Benefits 24/7 support for emergency and non-emergency situations 12 months of non-competitive eligibility hiring status within the federal government
Gates Cambridge Scholarship http://www.gatescambridge.org/	Senior	A citizen of any country outside the United Kingdom. Applying to pursue one of the following full-time residential courses of study: PhD (three year research-only degree); MSc or MLitt (two year research-only degree); or a one year postgraduate course (with some exceptions, see website)	October 14, 2020 5:00 PM EST	Covers the full cost of studying at the University of Cambridge: The University Composition Fee and College fees at the appropriate rate A maintenance allowance for a single student One economy single airfare at both the beginning and end of the course Inbound visa costs & the cost of the Immigration Health Surcharge Other funding on a discretionary basis
George J. Mitchell Scholarship Program https://www.us-irelandalliance.org/mitchellscholarship	Senior or Graduate	Be a citizen of the United States of America. Be at least 18 years of age, but not yet 30 years old, on the date the application is due. Hold a bachelor's degree from an accredited college or university. While married applicants or applicants with partners are accepted, no allowance is made for the expenses of an applicant's spouse, partner, or dependents.	September 25, 2020 5:00pm EDT	Full tuition, housing, and a monthly living stipend (currently \$1250 USD) for up to one year (12 months) of post-graduate academic study in Ireland. Up to three additional months of stipend will be provided, if required by the program (for a maximum of 12 months). One round-trip airline ticket between the United States and Ireland is also provided.
German Academic Exchange Service (Deutscher Akademischer Austauschdienst, or DAAD) Scholarships and Grants https://www.daad.org/en/find-funding/	Undergraduate and Graduate students	DAAD offers several scholarship and grant opportunities for students who wish to study or do research in Germany. See their website for details.	See website (depends on program)	See website (depends on program)
Hertz Foundation Fellowship http://www.hertzfoundation.org/	Seniors who plan on pursuing PhDs or 1st year graduate students who are already doing so	Students of the applied physical and biological sciences, mathematics, and engineering who are citizens or permanent residents of the United States of America, and who are willing to morally commit to make their skills available to the United States in time of national emergency	October 23, 2020	Successful applicants have the choice of two Fellowship options: Option 1 - Funding from Hertz Foundation only \$34,000/ 9-month personal stipend Full tuition equivalent Renewable annually for up to 5 years \$5,000/ year additional stipend for Fellows with dependent children Option 2 - Coordination with Other Major Fellowship Hertz Period: Full tuition equivalent and \$40,000/9-month personal stipend NSF Period: \$8,000/ year supplemental stipend from Hertz Renewable for up to 5 years \$5,000/ year additional stipend for Fellows with dependent children
Independent College Fund of Maryland, National Security Scholars Program ("I-Fund NSSP") http://www.micua.org/index.php/national-security-scholars-program#candidate	Freshman, Sophomore, and Juniors	To be eligible to participate in the program, a student must be a U.S. citizen at the time of application, attend an I-Fund member college or university, and not have advanced beyond the level of Junior by the application deadline (October 16, 2020). In addition, qualifying students must have a minimum GPA of 3.0, have earned at least 24 credit hours at the time of application, and be available for an in-person interview on November 12 or 13, 2020. Successful candidates must also agree to complete a summer internship prior to graduating.	October 16, 2020	Scholarship award, Paid summer internship in the Baltimore/Washington metropolitan area with a program Partner, Assistance with processing an application for a national security clearance, and Unique opportunities to explore a future in the national security field and obtain employment leads with the I-Fund's national security industry Partners.
Link Foundation http://www.linkoe.org/	Graduate (Ph.D.)	The applicant must be working toward a Ph.D. in an academic institution. No limitations are placed on citizenship. Fellowships are only tenable at U.S. and Canadian Universities. Fellows must be enrolled on a full-time basis for the duration of the award.	Not yet available (most likely April 2021)	The award consists of \$30,000 and can be used towards: • The Fellow's academic year and summer stipend.

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<p>Luce Scholars Program http://www.hluce.org/lsprogram.aspx</p>	Seniors, graduate or professional students currently at the nominating institution	<p>Candidates must be U.S. citizens who, by June 20th of the year they enter the program, will have received at least a bachelor's degree and will not have reached their 30th birthday.</p> <p>Candidates must be in physical health that will not restrict them from working in a foreign environment.</p> <p>*Those who already have significant experience in Asia or Asian studies are not eligible for the Luce Scholars Program. However, candidates may have taken Asian language or Asia-focused courses (without majoring in Asian Studies).*</p>	Candidates are nominated by their university. Completed applications necessary for institutional endorsement are due by mid-October at most participating schools.	Air transportation is provided for all travel required by the program. Besides monthly stipend and applicable housing and cost-of-living allowances, the foundation also subsidizes the shipment of personal effects. Finally, medical and travel insurance are provided for all Scholars and their accompanying spouses.
<p>Marshall Scholarships http://www.marshallscholarship.org/</p>	Graduate	Open only to United States citizens who (at the time they take up their Scholarship) hold a first degree from an accredited four-year college or university in the United States with a minimum GPA of 3.7. Candidates must have graduated from their undergraduate college or university after April 2018, and must not hold a degree or degree-equivalent or GCSE or A-levels taken at school in the UK.	Late September / early October depending on receiving center	University fees, cost of living expenses, annual book grant, thesis grant, research and daily travel grants, fares to and from the United States and, where applicable, a contribution towards the support of a dependent spouse, tenable for two academic years.
<p>The Matthew Isakowitz Fellowship https://www.matthewisakowitzfellowship.org/</p>	Juniors, Seniors, Graduate	<p>Open to any student who at the time of application:</p> <ul style="list-style-type: none"> · Is a college junior, college senior, or graduate student who intends to pursue a full-time career in the commercial spaceflight industry. · Has earned an engineering or science degree, or is working towards one at the time the Fellowship begins. · Has a diversity in experience and academic interests such as in engineering, science, management, business, and other related fields that can be related to commercial space. · Is a U.S. citizen or U.S. permanent resident (green card holder) due to export control regulations at the host companies. 	Not yet available (most likely December 2, 2020)	<p>A paid summer internship, typically lasting 10-12 weeks, at one of the leading commercial spaceflight companies.</p> <p>Prior to the beginning of the internship, each Fellow is paired with an experienced and notable space industry leader for mentorship to make the best use of their time during the Program, in addition to receiving advice for their academic and future professional careers.</p> <p>The summer culminates in a summit that brings together the current class of Matthew Isakowitz Fellows in a memorable and celebratory event.</p>
<p>NASA Space Grant Fellowships through the MD Space Grant Consortium https://md.spacegrant.org/mdsgc-programs/scholarships/</p>	Undergraduate and Graduate	<ul style="list-style-type: none"> -U.S. Citizen. -Application to, or enrollment in, an affiliate institution of MDSGC; see above. -Full-time student majoring in a STEM area, including: engineering, computer science, the biological and life sciences, chemistry, geological sciences, physics and astronomy. -Maintaining a 3.0 or higher GPA and appropriate major. 	Not yet available	Awards vary and must be used for the following educational expenses (tuition, books, fees and room and board).
<p>National Defense Science and Engineering Graduate Fellowship Program (NDSEG) http://ndseg.sysplus.com/</p>	Senior or Graduate	Open only to applicants who are citizens or nationals of the United States. Students at or near the beginning of their doctoral studies. You must intend to pursue a doctoral degree.	November 2, 2020	NDSEG Fellowships last for a period of up to three years (based on continued funding), and covers full tuition and mandatory fees. Fellows also receive a monthly stipend (\$3,200), and up to \$1,200 a year in medical insurance.

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National GEM Consortium Fellowship http://www.gemfellowship.org/students/gem-fellowship-program/	Senior or Graduate	Candidates are targeted for participation who are members of under-represented groups in science and engineering as defined by the United States Bureau of Labor Statistics. Applicants must be a U.S. citizen or U.S. permanent resident at time of application. Applicants are strongly encouraged to take the GRE Applicants must directly apply to a minimum of three (3) GEM Member Universities STEM graduate departments (by January 15th). Applicants must be admitted into a GEM Member University graduate program before the GEM Fellowship is awarded. MS Engineering Program Applicants: <ul style="list-style-type: none"> must be a senior, or graduate of an accredited engineering or computer science program at the time of application. must have a minimum cumulative grade point average of 2.8/4.0. must contractually agree to intern for two summers with sponsoring GEM Employer. Ph.D. Program Applicants: <ul style="list-style-type: none"> must be a senior, masters student, or graduate of an accredited engineering or applied science program at the time of application. must have a minimum cumulative grade point average of 3.0/4.0. must contractually agree to intern with a GEM Employer member the Summer immediately after sponsorship. 	November 13, 2020	GEM MS Engineering Fellows receive: -\$4,000 living stipend per full-time semester up to 4 semesters (\$8K per academic year – 3 quarters) -up to two paid summer internships with a GEM Employer Member -full tuition and fees provided by a GEM University Member Ph.D. Engineering/Science Fellows receive: -\$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
National Institutes of Health (NIH) Undergraduate Scholarship Program (UGSP) https://www.training.nih.gov/programs/ugsp	Undergraduate	Committed to a career in biomedical, behavioral, or social science health-related research. U.S.A. citizen or U.S.A. permanent resident. Enrolled or accepted for enrollment as a full-time student at an accredited 4-year undergraduate institution located in the United States of America. Undergraduate University Grade Point Average of 3.3 or higher on a 4.0-point scale or within the top 5 percent of your class. Having 'Exceptional Financial Need' as certified by your undergraduate institution financial aid office.	Not yet available (most likely mid-March 2021)	The NIH UGSP will pay up to \$20,000 per academic year in tuition, educational expenses, and reasonable living expenses to scholarship recipients. Scholarships are awarded for 1 year, and can be renewed up to 4 years.
National Physical Society Consortium (NPSC) Graduate Fellowship www.npsc.org	Graduate	NPSC welcomes applications from any qualified U.S. citizen who has the ability to pursue graduate work at an NPSC member institution.	Approx. December 1, 2020	The charge to the employer for each student supported is \$27,000 annually, of which \$20,000 is the fellow's expense allowance and \$7,000 is NPSC's fee to support its operations. The charge is subject to change at the discretion of the NPSC Board of Directors.
National Science Foundation's Graduate Research Fellowship Program (NSF GRFP) http://www.nsfgrfp.org/	Senior or Graduate	Be a U.S. citizen, national, or permanent resident Intend to enroll or be enrolled full-time in a research-based graduate degree program in an eligible Field of Study in STEM or STEM education (See Appendix and Section IV.3 for eligible Fields of Study) Have never previously accepted a GRFP award If previously offered a GRFP award, have declined by the deadline Have never previously applied to GRFP while enrolled in a graduate degree program Have never earned a doctoral degree Have never earned a master's, professional, or bachelor's-master's degree in any field, unless returning to graduate study after an interruption of at least two (2) years Not be a current NSF employee	October (dates vary by discipline)	Fellows benefit from a three-year annual stipend of \$34,000 along with a \$12,000 cost of education allowance for tuition and fees (paid to the institution), opportunities for international research and professional development, and the freedom to conduct their own research at any accredited U.S. institution of graduate education they choose.

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Naval Research Enterprise Internship Program http://nreip.asee.org/	Undergraduate and Graduate	Any student who has graduated high school (or equivalent) and currently has 31 or more college credits and is enrolled at a 4 year U.S. college or university deemed accredited by the U.S. Department of Education will be eligible to participate in the NREIP program. Students attending 2 year U.S. college or university deemed accredited by the U.S. Department of Education, who meet the major and credit requirements, may be eligible at the laboratory's discretion.	November 30, 2020, 10:00pm EDT	The internship has a duration of 10 weeks. Stipend levels will be determined by the student's years of participation in the NREIP program. Stipends will be paid bi-weekly via direct deposit. \$7,000: New undergraduate student participants (students should possess a minimum of 31 credits by the end of Spring 2021). \$8,500: Returning undergraduate students (students MUST have completed a full 10 week program in a prior year to receive this level). \$11,000: Graduate students (students must currently be in graduate school and taking graduate school courses to receive this level).
Rhodes Scholarship http://www.rhodescholar.org/	Senior or Graduate	a citizen of the United States OR a lawful permanent resident of the United States OR a U.S. resident with DACA status on April 15 in the year of application. eligible to apply through one of the 50 states, the District of Columbia, or one of the U.S. territories: either in the state or territory where the applicant was legally resident on April 15 in the year of application, or where the applicant will have received at least two years of college training and a bachelor's degree before October 1 in the year following election. at least 18 but not yet 24 years of age	The application deadline is 11:59 PM U.S. Eastern Time on the first Wednesday of October each year.	The Rhodes Scholarship funds two years of graduate or undergraduate study at Oxford University, as well as an annual stipend
Siebel Scholars Foundation http://www.siebelscholars.com/ https://engineering.jhu.edu/graduate-studies/fellowships-grants/siebel-scholarship/	Graduate	<ul style="list-style-type: none"> • Research is in the Bioengineering field • Ranks within the top 10% of their Bioengineering class based on academic results • Demonstrates excellence, in terms of leadership qualities, in academic pursuits, non-academic pursuits, and in experience prior to entering the graduate program. • Has a track record of distinguished research • Has completed at least one year at Johns Hopkins University and is reasonably expected to have only one year remaining in the Master's or Ph.D. program. 	Nomination/Selection Process 1. Departments nominate candidates (May) 2. JHU/Siebel Scholars Selection Committee identifies finalists (June/July) 3. Siebel Foundation reviews nominees and makes final decision (August/September)	\$35,000 toward the final year of graduate studies
Society of Hispanic Professional Engineers http://scholarships.shpe.org/students/	Undergraduate and Graduate students	Eligibility requirements vary for different scholarships - See website for details	Various - See website for details	Various - See website for details
The Gerald A. Soffen Memorial Fund Travel Grant https://nasa-academy.org/soffen-travel-grant-2/	Undergraduate and Graduate	Students pursuing undergraduate or graduate degrees in aerospace-related sciences or engineering fields. Applicants must be enrolled full time in an accredited undergraduate or graduate institution of higher learning in the United States.	Spring and Fall Date TBD	Two awards in the amount of \$500 will be presented at the spring and fall deadlines, contingent upon acceptance of the recipients' conference abstracts.
Society of Women Engineers (various) http://societyofwomenengineers.swe.org/scholarships	Undergraduate and Graduate	Only candidates who identify as female are eligible. Undergraduate applicants must be planning to study an ABET-accredited program in engineering, technology, or computing in the upcoming academic year. Masters and PhD candidates must be enrolled or accepted at a school with ABET-accredited programs in engineering, computing, or technology. You must be planning to attend full time (exceptions are made for reentry and non-traditional applicants). You must not be fully funded for tuition, fees, and books and equivalent. Other requirements may apply - see website for details	Freshmen: May 1 Sophomores and above: February 15 (Finalized dates for 2020-21 TBA)	Various - See website for details
The Paul & Daisy Soros Fellowships for New Americans http://www.pdsoros.org/	Senior or Graduate	You must be: A New American (both birth parents must have been born outside of the US, and you must be an American citizen, green card holder, granted refugee or asylum in the US, or graduated from high school and college in the US). Not yet 31 years old, as of the application deadline. A college senior or holder of a bachelor's degree. Not beyond your second year - if already enrolled - in the graduate degree program for which you request support.	October 29, 2020, 2:00pm EDT	Each Fellow receives up to \$90,000 in financial support over two years, and they join a lifelong community of New American Fellows.

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Tau Beta Pi Fellowships (various) http://www.tbp.org/fellowships.cfm	Graduate	Applications are welcomed from all members of Tau Beta Pi—students and alumni. The program is designed for alumnus members of Tau Beta Pi who pursue full time graduate study the following academic year in a field that contributes to the profession of engineering. You may be an undergraduate when you apply but the fellowship is for graduate study only. U.S. citizenship is not required. Legal residency is required.	February 1, 2021, 11:59PM EST	Fellows will receive \$10,000 payable in ten monthly increments beginning in August.
Tau Beta Pi Scholarships (various) http://www.tbp.org/scholarships.cfm	Undergraduate Students	Students who will be enrolled for two semesters, three quarters, or two trimesters are eligible to apply for a \$2,000 award. Students enrolled for one semester, two quarters, or one trimester are eligible to apply for a \$1,000 award.	Not yet available (most likely April 2021)	Scholars will receive \$2,000 payable in two equal payments in mid-September and mid-January. Scholars returning for one semester will receive a single payment of \$1,000 in mid-September.
Vredenburg Travel Fund https://engineering.jhu.edu/advising/vredenburg-travel-fund/	Sophomore or Junior	Current engineering sophomores and juniors may apply by proposing an international: -Research project, service project, or internship (paid or unpaid)	Not yet available (most likely February 2021)	Projects will be funded to a maximum of \$8,000; the typical range of a Vredenburg Scholarship is between \$5,000 and \$7,500. The Scholarship may be used to defray the costs of tuition, travel, living expenses, and other reasonable expenses associated with the international experience.
The Zonta International Amelia Earhart Fellowship https://www.zonta.org/Web/Our_Programs/Education/Amelia_Earhart_Fellowship/Web/Programs/Education/Amelia_Earhart_Fellowship.aspx	Graduate	Women of any nationality pursuing a Ph.D./doctoral degree who demonstrate a superior academic record in the field of aerospace-related sciences and aerospace-related engineering. Applicants must have completed one year of a full-time PhD/Doctoral program, or have received a master's degree in an aerospace-applied field Applicants must not graduate from their PhD/Doctoral program before April 2022	November 15, 2020	\$10,000 May be used at any university or college offering accredited post-graduate courses and degrees in aerospace-related sciences and aerospace-related engineering.