

Funding Application: Undergraduate Senate [AGU-000071]

Student Organization
Stanford Student Space Initiative

Program Title
Stanford Student Space Initiative Annual Grant 18-19

Start Date

End Date

Academic Year
2018-2019 Academic Year

Grant Type
Annual

Funding Line(s)

Line #	Account	Line Description	Funding Manager Notes	Event Name	Event Date	Requested Amount	Recommended Amount	Approved Amount
1	01-7858-30-2980 (Annual Grants - Registration & Tickets - VSO)	IREC rocketry competition entrance fees; for team entry, plus 12*\$50 per-member fee.				\$1,300.00	\$1,300.00	\$1,300.00
2	01-7858-30-2990 (Annual Grants - Travel - VSO)	Accommodations->IREC (3 rooms * 5 nights * 100/night) + practice (2 rooms * 4 launches * 100/night) + Space Symposium conference (2 rooms * 5 nights * 100/night). Two space policy speakers from DC staying two nights in CA: 4 people * \$200				\$3,920.00	\$3,920.00	\$3,920.00
3	01-7858-30-2990 (Annual Grants - Travel - VSO)	Balloon launch costs, onboarding launch, rocket launch costs, IREC travel costs, satellite field test costs, SSI movie nights, Space Symposium conference travel costs, four speakers space policy speakers from DC in CA.				\$14,895.00	\$14,895.00	\$14,895.00
4	01-7858-30-2955 (Annual Grants - Equipment - VSO)	Rental->High-altitude balloon radio tracker annual satellite				\$118.43	\$118.43	\$118.43

Line #	Account	Line Description	Funding Manager Notes	Event Name	Event Date	Requested Amount	Recommended Amount	Approved Amount
		subscription, high-altitude balloon data credits						
5	01-7858-30-2955 (Annual Grants - Equipment - VSO)	Purchase->Balloon helium, balloons, components, parachutes, raw materials, rocket airframe, fins, noescone, propulsio, recovery system and test supplies, etc. (Requested 94K total)				\$80,000.00	\$80,000.00	\$80,000.00
6	01-7858-30-2920 (Annual Grants - Event Food & Supplies - VSO)	Dinner meetings(280 ea), food for balloon launches(2200), food for rocket launches(800+competition launch money), satellites dinner design event food(500), group meals with speaker (200 ea)				\$9,951.00	\$9,951.00	\$9,951.00
7	01-7858-30-2910 (Annual Grants - Event Services - VSO)	Janitorial Services->Janitorial services after first general meeting of the academic year (requires rental of >200 person room)				\$60.00	\$60.00	\$60.00
8	01-7858-30-2910 (Annual Grants - Event Services - VSO)	100 chairs * \$4.25 / chair + 4 banquet tables * \$10/chair + \$82.20 contingency fee + 3.5 hours event services labor * \$51/hour				\$904.20	\$904.20	\$904.20

						Requested	Recommended
					Totals	\$111,148.63	\$111,148.63
					Final Allocation		\$111,148.63

Questions

Question	Answer
What is the average attendance at your events?	SSI has around 200 due-paying members and we meet once a week during general meetings and during subteam meetings. The daily subteam teams meetings have an attendance of around 25-30 people.
Why are you requesting Annual Grants?	<p>We are a completely student-run organization founded in 2013 with the mission of giving future leaders of the space industry the hands-on experience and broader insight they need to realize the next era of space development.</p> <p>We are the gathering place for people who want to act on their interests in space. Since 2013, we have flown a zero gravity experiment with NASA, built multiple CubeSats, inspired 60 teams in 20 countries to launch high altitude balloons, certified dozens of students for high-powered rocketry, hosted more than 100 speakers at talks and conferences, been featured in media like Popular Science and USA Today, led a student-initiated class (AA47SI, Why Go to Space), demonstrated bidirectional laser communication, and developed ultra long duration latex balloon technology that has set a world record.</p> <p>SSI is dedicated to achieving both short- and long-term goals. In the next year, we launch a new biology team, fly a high-altitude balloon to Europe, and build a small optical communications satellite. In the future we will send the first university-built rocket to space, continue development of novel satellite technologies, demonstrate DNA synthesis in microgravity, and continue to organize speaker events and workshops for the student body with top industry leaders.</p> <p>In order to make all of this happen, we need the continued and crucial support of Stanford through ASSU's Special Fees.</p>
What are the three largest line item requests in your budget and why?	The three largest line item requests are (in decreasing order) equipment purchase (\$94,000), travel fare (\$14,895) and event food (\$11,200). As Stanford's largest project-based engineering club, the vast majority of our annual budget is spent on equipment for our various projects, ranging from rockets, satellites, and high altitude balloons, but also for the workshops we host annually, open to all Stanford students. In order to test our projects, we conduct rocket and balloon launches in different parts of California and the southwestern US, meaning our budget must also account for the travel costs of these trips. The third largest line item in our budget is for event food as we strive to make sure our members can have a great environment to work at. Providing food happens during the IREC(university rocket competition) trips, and high altitude balloon launches, community bonding meetings and events.
What events/programs does your group hold throughout the year for the Stanford community?	Every year, our club holds a series of workshops during the beginning of the year in order to train (not just new members of SSI) but any interested member of the Stanford community in

Question	Answer
	skills ranging from mechanical design to programming and circuit board assembly and engineering. This year, these workshops occurred primarily during the month of October, when we held at least one workshop almost every weekday. Beyond workshops, we also bring high-profile speakers to campus at events open to students, such as Gwynne Shotwell (President of SpaceX) and John Grunsfeld (NASA Astronaut and former Chief Scientist).
Have you applied for Annual Grants in the past 3 years? If so, please detail the outcome of each attempt.	Yes, we have applied for Special Fees in the past three years and last year(2017-2018), we received \$124,421, which was put into great use. We were able to buy key equipment for our Satellites, Balloons, Rockets, Biology and Operations teams. The year before that (2016-2017), we obtained 118,538.00 and the year before that(2015 -2016), we obtained 73,222.00. I was not present for the previous attempts, yet I understand that the increases in our funding have been matched with an increase in the success of our projects and in the workshops and skill-learning experiences available to our members.
Please provide four contacts for your group (two must be graduates if also applying for Graduate Annual grants). These individuals should be prepared to be called by the Undergraduate Senate or the GSC during the evaluation of the group. Please list their name, title in organization, school/degree program, e-mail, and phone.	President, Shi Tuck, tucks@stanford.edu; Vice President, Kai Marshland, kaimarsh@stanford.edu; Financial Officer(s) Chloe Glikbarg, glikbarg@stanford.edu; Peter Maldonado, phm@stanford.edu
How do you plan to publicize your events/programs to the greater Stanford community? Have you registered with Events at Stanford?	We always send emails to as many email mailing lists we can find. We also plan on using posters and in-class announcements of the talks/workshops we provide. We have always started the school year by hosting a huge general meeting were we attempt to reach as many stanford undergraduates as we can. In doing so, we go through all freshmen dorms and give announcements about SSI. We also participate in the Activities Fair.
If you are an umbrella group, please list the groups for which you are applying for Annual grants, their ASSU account numbers, and contact information for their financial officers.	Nope.
Please define the services provided by your group with the Special Fee, as per the ASSU Constitution:	We provide a place on campus where anyone can develop their interest in space, learn valuable engineering skills, and work on hands-on projects Constitution says ¿The Stanford Student Space Initiative (SSI) gives future leaders of the space industry the hands-on experience and broader insight they need to realize the next era of space development and exploration.¿ SSI accomplishes it¿s purpose through hands-on projects related to space, educational activities, speaker events, and community-building.
Are you also applying for Graduate Annual Grants?	No.
If you applied for Annual Grants last year, is there an increase in the amount you're seeking this year? If so, why?	This year, we are asking for \$130,444.20, which is an increase of \$6,023.20, or 4.84%, over our previous ask. This increase is due to our ever-expanding membership and range of projects and events. Having more members, means we spend more resources creating programs and events to train newer members as well as the Stanford community as a whole.

History

Date	Assignment Group	Assignee	Action	Comments
21-AUG-2018 11:08 AM	In Progress	mikelee9	FO Submitted	
21-AUG-2018 11:25 AM	Funding Admin		Assigned	
23-AUG-2018 12:28 PM	Funding Committee	lfatuesi	Approved	
23-AUG-2018 05:05 PM	Legislative Body	lfatuesi	Approved	
23-AUG-2018 05:05 PM	Accountant		Assigned	
24-AUG-2018 01:11 PM	Accountant	sbenton	Approved	
24-AUG-2018 01:11 PM	Posted	assusystem	Approved	