

Virginia Space Grant Consortium (VSGC) – Table of S.M.A.R.T. Goals, Objectives, and Performance Metrics Matrix 2020-2024: FY 2023 Planned vs. Actual

Virginia Space Grant Consortium – 2020-2024 Performance (Goals, Objectives, Metrics, and Targets Are Repeated Each Year of the Performance Period)						
Strategic Priority Alignment	Space Grant Objective Alignment	Goal	Objective	Metrics	Target Number	FY23 Actual
1, 2, 3	2, 4, 6, 7	Goal 1: Quality Scholarship and Fellowship Program including student research awards.	1.A: Award students in four categories with scholarships and fellowships. Students competitively selected by review panels.	# of awards reported by panel	At least 60	82 awards were made
1, 2, 3	2, 4, 6, 7		1.B: Award at least the minimum NIF funding as required by NASA.	Amount awarded	\$182,000 (Yr1); \$178,100 (Yrs2-4)	\$200,000 NIF minimum \$357,800 awarded
1, 2, 3	2, 4, 6, 7		1.C: Percentage of awards to underrepresented minorities (URM) and females in alignment with NASA goals.	Percentage of awards to URM and females	29.8% to URM and 40% female	30% of awards to URM; 56% of awards to females
1, 2, 3	2, 4, 6, 7		1.D: Students with research awards will present at VSGC Student Research Conference.	Percentage of students presenting	At least 90% of students	91.5% attended
1, 2, 3	2, 4, 6, 7		1.E: Longitudinally track students receiving significant awards to their next step.	Percentage of students tracked	100%	All FY 23 students are being tracked
1, 2, 3	2, 4, 6, 7		1.F: Students receiving significant awards will be employed by NASA, in aerospace, or in STEM at education institutions.	Percentage of awarded students	At least 60%	97% of survey respondents took their next step in STEM
1, 2, 3	2, 3, 4, 5, 6, 7		Goal 2: Quality higher education programs including internships in partnership with member institutions and other partners.	2.A: Provide paid student internships at a NASA Center.	# of interns supported	At least 1

1, 2, 3	2, 3, 4, 5, 6, 7		2.B: Manage Commonwealth STEM Industry Internship program to place students in paid internships with Virginia companies and organizations.	# of students placed in internships	At least 50 students	125 students placed in paid internships
1,2,3	2, 3, 4, 5, 6, 7		2.C: Conduct project in partnership with Virginia's community colleges.	# of projects	At least 1	1. VCCS provided financial support for 15 STF students 2. GeoTED-UAS project 3. Faculty professional development workshop at NASA Wallops 4. 23 community college visits in 2023
1,2,3	2, 3, 4, 5, 6, 7		2.D: Higher education projects in partnership with member institutions.	# of projects	At least 2	1. 10 Innovative Projects funded 2. 5 New Investigator Projects funded 3. GeoTED-UAS 4. EEAP 5. CoVA CCI
1,2,3	3, 4, 5, 6	Goal 3 - Promote diversity by encouraging participation by underrepresented minority and female students and faculty.	3:A: Conduct outreach project or event in partnership with Hampton University (HBCU).	# of projects	At least 1	One New Investigator Researcher from Hampton University

1,2,3	3, 4, 5, 6		3.B: Conduct outreach project or event in partnership with a non-member minority institution.	# of projects	At least 1	1. DARS drone academies 2. Funding from NCAT for UAS teachers 3. CSIIP intern placements 4. PTMC 5. Bringing Space to the Middle School CTE Classroom 6. ACRP 7. Pathways at Averett University (PFA)
1,2,3	2, 3, 4, 5, 6, 7		3.C: Provide percentage of all direct student awards to underrepresented minorities (URM) and females in alignment with NASA goals.	Percentage of awards to URM and females	29.8% to URM and 40% female	34% of all significant direct awards to URM and 40% to females
1,2,3	3, 4, 5, 6		3.D: Provide STEM program for special needs faculty or students.	# of programs	At least 1	DARS – 5 drone academies
1,2,3	2, 3, 4, 5, 6, 7	Goal 4 - Offer programs that foster research capabilities at member institutions and serve as catalyst for linking university researchers to NASA and other opportunities.	4.A: Conduct New Investigator award program for faculty within first five years of academic career.	# of awards to faculty	At least 4	5 awards made
1,2,3	2, 3, 4, 5, 6, 7		4.B: Disseminate research opportunities to statewide networks each year.	# of opportunities disseminated	At least 20	At least 30 opportunities disseminated

1,2,3	2, 3, 4, 5, 6, 7		4.C: Support experiential student research, mission, and design programs.	# of programs	At least two	1. RockSat-C 2. Nationwide Eclipse Ballooning Project 3. VASTS 4. VESSS 5. VSCS
1,2,3	1, 2, 5, 6, 7	Goal 5 - Provide quality precollege opportunities including professional development for educators and student-focused programs.	5.A: Provide teacher professional development in STEM and using NASA resources.	# of teachers participating	At least 40	1. GeoTED-UAS 2. PTMC 3. Bringing Space to the Middle School CTE Classroom 4. VASTS/VESSS/VSCS master teacher training
1,2,3	1, 2, 5, 6, 7		5.B: Provide student-focused programs and activities promoting participation in STEM and related careers.	# of students participating	At least 300	1930
1,2,3	1, 2, 5, 6, 7		5.C: Precollege students participating in VSGC-sponsored programs will express an interest in STEM careers.	% of student participants expressing interest in STEM	At least 50%	Nearly 100%
1,2,3	1, 2, 5, 6, 7	Goal 6 - Conduct Informal Science Education programs in partnership with informal education members and partners	6.A: Sponsor programs in partnership with the Virginia Air and Space Center and the Science Museum of Virginia.	# of programs sponsored	At least 1	Innovative Project for Virginia Air and Space Science Center
1,2,3	1, 2, 5, 6, 7		6.B: Sponsor informal science education opportunities as funding and partnerships permit.	# of programs sponsored	At least 1	Sponsorship and presentations at VAST
1,2,3	1, 2, 3, 4, 5, 6, 7	Goal 7 - Serve as an effective steward of Consortium resources	7.A: NASA Space Grant funding will be leveraged to support additional programs.	Amount of additional support	At least 3 dollars to every 1	More than 4 to 1

		and a strong partner for STEM programs by effectively leveraging NASA Space Grant resources.			Space Grant dollar	
1,2,3	1, 2, 3, 4, 5, 6, 7		7.B: Network and partner with other Space Grants and organizations.	# of programs	At least 2	PTMC; ACRP; GeoTEd-UAS
1,2,3	1, 2, 3, 4, 5, 6, 7		7.C: Network with NASA Headquarters and NASA Centers for program implementation.	# of programs	At least 2	VASTS, VESSS. VSCS. NASA Langley Aerial Drone Competition
1,2,3	1, 2, 3, 4, 5, 6, 7		7.D: Build and sustain effective strategic partnerships including relationships with state and federal legislators and officials.	Amount of support from state and other federal sources	At least 1 dollar for every 1 Space Grant dollar	More than 5 to 1
1,2,3	1, 2, 3, 4, 5, 6, 7		7.E: Partner with non-member organizations to conduct programs.	# of partnerships	At least 20	20
1,2,3	2, 3, 4, 5, 6, 7	Goal 8 - Support national, regional, and crosscutting initiatives that support NASA and Consortium goals as external funding permits.	8.A: Continue to manage the Airport Cooperative Research Program (ACRP) University Design Competition for Addressing Airport Needs and the ACRP Graduate Research Awards as funding permits.	Successful program management as gauged by ACRP	10 Graduate Research awards completed, and 10 awards given for Design Competition	11 Graduate Research Awards completed, and 16 awards given for the University Design Competition
1,2,3	1, 2, 3, 4, 5, 6, 7		8.B: Support other national, regional, and crosscutting initiatives as possible.	# of programs supported	At least 1	PTMC, ACRP