

Year 4 - S.M.A.R.T. Goals, Objectives, and Performance Metrics Matrix

Virginia Space Grant Consortium

Strategic/Performance Goal Alignment	Space Grant Objective Alignment	Consortium Year 5 Performance			
		Consortium Goal	Consortium Objective	Consortium Performance Measure	FY23 Actual
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3	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 made
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3		1.B: Award at least the minimum NIF funding as required by NASA	Amount awarded	\$200,000 NIF minimum \$357,800 awarded
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3		1.C: Percentage of awards to underrepresented minorities (URM) and females in alignment with NASA goals	Percentage of awards to URM (29.8) and females (40)	30% of awards to URM; 56% of awards to Females
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3		1.D: Students with research awards will present at VSGC Student Research Conference	Percentage of students presenting (at least 90)	91.5% attended
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3		1.E: Longitudinally track students receiving significant awards to their next step	Percentage of students tracked (100)	All FY23 students are being tracked.
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3		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	1.1, 1.2, 1.3, 2.1, 2.2, 2.3	Goal 2: Quality higher education programs including internships in	2.A: Provide paid student internships at a NASA center	# of interns supported	2 students supported

		partnership with member institutions and other partners			
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3		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)	125 students placed in paid internships
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3		2.C: Conduct project in partnership with Virginia's community colleges	# of projects (at least 1)	VCCS provides financial support for 15 STF students. GeoTed
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3		2.D: Higher education projects in partnership with member institutions	# of projects (at least 2)	10 innovative projects and NIP – 5, EEAP, Geoted, cova cci
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3	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 NIP from HU
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3		3.B: Conduct outreach project or event in partnership with a non-member minority institution	# of projects (at least 1)	DARS, NCAT, CSIIP, PTM, Luminary Labs, ACRP, Averett-Pathways
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3		3.C: Provide percentage of all direct student awards to under-represented minorities (URM) and females in alignment with NASA goals	Percentage of awards to URM (29.8) and females (40)	34% of all significant direct awards to underrepresented minority students and just under 40% of awards to female students

1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3		3.D: Provide STEM program for special needs faculty or students	# of programs (at least 1)	DARS
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3	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	1.1, 1.2, 1.3, 2.1, 2.2, 2.3		4.B: Disseminate research opportunities to statewide networks each year	# of opportunities disseminated (at least 20)	At least 30
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3		4.C: Facilitate meetings with university researchers and NASA personnel to facilitate collaborative proposals	# of meetings (at least 5)	Not sure how to identify or count
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3		4.D: Support experiential student research, mission, and design programs	# of programs (at least 2)	Rockon/rocksat, eclipse Vasts, vesss, space coast
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3	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)	At least 60 through geoted-uas, PTM, and middle grades.... master teacher training?
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3		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	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3		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)	Magnolia reports? Probably can say nearly 100%
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3	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 Science Center and the Science Museum of Virginia	# of programs sponsored (at least 1 for each)	Innovative project for vase
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3		6.B: Sponsor informal science education opportunities as funding and partnerships permit	# of programs sponsored (at least 1 for each)	Sponsorship and presentations at VAST
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3	Goal 7 - Serve as an effective steward of Consortium resources and a strong partner for STEM programs by effectively leveraging NASA Space Grant resources	7.A: NASA Space Grant funding will be leveraged to support additional programs	Amount of additional support (at least 3 dollars to each Space Grant dollar)	4 to 1
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3		7.B: Network and partner with other Space Grants and organizations	# of programs (at least 2)	PTM ACRP; geotod-uas
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3		7.C: Network with NASA Headquarters and NASA Centers for program implementation	# of programs (at least 2)	VASTS, VESSS, space coast, drone competitio

					n at Langley
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3		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 Space Grant dollar)	4 to 1
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3		7.E: Partner with non-member organizations to conduct programs	# of partnerships (at least 20)	Listed above
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3	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 the University Design Competition)	11 Graduate Research Awards completed and 16 awards given for the University Design Competition
1,2,3	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3		8.B: Support other national, regional, and crosscutting initiatives as possible.	# of programs supported (at least 1)	PTM;