

Appendix B

Appendix B: Virginia Space Grant Consortium (VSGC) – Table of S.M.A.R.T. Goals, Objectives and Performance Metrics Matrix

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	Deadline
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	April each year
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 (Yr 2-4)	May each year
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	April each year
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	April each year
1, 2, 3	2, 4, 6, 7		1.E: Longitudinally track students receiving significant awards to their next step.	Percentage of students tracked	100%	April each year
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%	April each year
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	May each year

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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	August each year
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	April each year
1,2,3	2, 3, 4, 5, 6, 7		2.D: Higher education projects in partnership with member institutions.	# of projects	At least 2	April each year
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	April each year
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	April each year
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	April each year
1,2,3	3, 4, 5, 6		3.D: Provide STEM program for special needs faculty or students.	# of programs	At least 1	April each year
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	April each year
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	April each year
1,2,3	2, 3, 4, 5, 6, 7		4.C: Facilitate meetings with university researchers and NASA personnel to facilitate collaborative proposals.	# of meetings	At least 5	April each year

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1,2,3	2, 3, 4, 5, 6, 7		4.D: Support experiential student research, mission and design programs.	# of programs	At least two	April each year
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	April each year
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	April each year
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%	April each year
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	April each year
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	April each year
1,2,3	1, 2, 3, 4, 5, 6, 7	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 every 1 Space Grant dollar	April each year

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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	April each year
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	April each year
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	April each year
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	April each year
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; 10 awards given for Design Competition	April each year
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	April each year