

MSU Strategic Plan Metric Progress: DISCOVERY
University Council Update
May 2, 2018

Metric			11-12	12-13	13-14	14-15	15-16	16-17	Target	Progress	Annual	Since 11-12
D.1.1	MSU will increasingly attract and retain faculty of national and international recognition.	Tenure-Track/ Tenured Faculty Headcount	554	533	543	548	567	583	Attract and retain faculty of recognition		↑	↑
		Faculty w Natl/Intl Refereed Scholarly Products				319	338	367			↑	↑
		Academic Analytics Avg Fac Percentile			48.69	47.84	48.56	48.78			↑	↑
D.1.2	National and international recognition of MSU faculty as measured through Natl and Intl Awards and Honors	Uneven data collection effort through FAD	AI implementa-tion	90	121	111	127	Increase awards		↑	↑	
D.1.3	Rank within Carnegie R1 (Formerly RU/VH)*											
	STEM R&D Expenditures (NSF)		\$111,076,000	\$100,351,000	\$104,646,000	\$98,467,000	\$102,179,000	\$118,011,000	Increase		↑	↑
	Rank		98	99	104	104	106		Improve		↑	↑
	Non-STEM R&D Expenditures (NSF)		\$13,152,000	\$12,785,000	\$8,702,000	\$9,947,000	\$9,894,000	\$11,611,000	Increase		↑	↓
	Rank		92	94	79	72	84		Improve		↑	↓
	Science and engineering post docs and non-fac research staff (NSF)		102	101	75	123	90	195	Increase		↑	↑
	Rank		103	100	103	99	104	87	Improve		↓	↓
	Doctoral Conferrals (IPEDS - research/scholarship)		53	49	56	79	52	66	Increase		↑	↑
	Rank		106	106	116	116	116		Improve		↔	↑

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D.2.1	Funding for capital projects from public and private sources to provide state-of-the-art laboratory, studio and other space-related resources (annual amt, cumulative assessment)	\$20,696,809	\$5,617,773	\$14,587,915	\$8,142,334	\$12,004,831	\$19,677,105	Increase		↑	↑
D.2.2	Grant-sponsored investment in centers, core facilities and resources (annual amt, cumulative assessment)	\$16,498,363	\$6,613,660	\$1,896,921	\$1,458,822	\$3,292,464	\$3,184,672	Increase		↑	↑
D.3.1	Percentage of faculty who advise doctoral students (T/TT/NTT)**			46.9%	50.6%	49.7%	38.5%	Increase		↓	↓
D.3.2	Graduate student headcount	1965	1888	2030	2050	1981	2040	2350		↑	↑
	Doctoral student headcount	397	420	481	537	555	596	Increase		↑	↑
D.3.3	Graduate Degrees Awarded	591	584	562	673	600	650	625		↑	↑
	STEM Masters and Doc Degrees Awarded	297	328	352	366	345	349	325		↑	↑
	All Doctoral Degrees Awarded	53	49	56	79	60	84	80		↑	↑
D.3.4	The number of faculty scholarly products co-authored/presented with graduate students	No comprehensive data collection effort	AI not implemented for grads	383	578	528	617	Increase number and proportion		↑	↑

Sources: Provost's Office, Activity Insight, Academic Analytics, Office of Planning and Analysis, NSF HERD and Academic R&D Survey, NSF/GSS Survey of Graduate Students and Post Docs in Science and Engineering, OCHE Student Data Warehouse, University Business Services, Office of Sponsored Programs

*R1 - 115 HEIs; RU/VH - 108 HEIs

** D.3.1 - Denominator increased (NTT added), Numerator decreased (Grad Reps deleted) in 2016-17