






















MSU Strategic Plan Metric Progress: DISCOVERY
University Council Update
April 5, 2017

Metric	11-12	12-13	13-14	14-15	15-16	Target	Progress	
D.1.1	MSU will increasingly attract and retain faculty of national and international recognition.							
	Tenure-Track/Tenured Faculty	554	533	543	548	567	Attract and retain faculty of	 ↑
	Faculty w National/International Refereed Scholarly Products			319	338	367		 ↑
	Academic Analytics Avg Fac Percentile			46.79	46.56	46.76		 ↓
D.1.2	National and international recognition of MSU faculty as measured through scholarly and creative accomplishments.	Uneven data collection effort through FAD reporting	RFP for new data collection system/ AI implementation	90 - Natl and Intl Awards and Honors	121 - Natl and Intl Awards and Honors	111 - Natl and Intl Awards and Honors	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	Increase	 ↑
	Rank	98	99	104	104		Improve	 ↑
	Non-STEM R&D Expenditures (NSF)	\$13,152,000	\$12,785,000	\$8,702,000	\$9,947,000	\$9,894,000	Increase	 ↓
	Rank	92	94	79	72		Improve	 ↓
	Science and engineering post docs and non-fac research staff (NSF)	102	101	75	123	90	Increase	 ↓
	Postdocs/Non-Faculty Researchers (w/ Doctorates)	56/46	41/60	42/33	38/85	51/39		
	Rank	103	100	103	99	104	Improve	 ↑
	Doctoral Conferrals (IPEDS)	53	49	56	79	60	Increase	 ↓
	Rank	106	106	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	\$20,696,809	\$5,617,773	\$14,587,915	\$8,142,334	\$12,004,831	Increase  ↑
D.2.2	Grant-sponsored investment in centers, core facilities and resources	\$16,498,363	\$6,613,660	\$1,896,921	\$1,458,822	\$3,292,464	Increase  ↑
D.3.1	Percentage of faculty who advise doctoral students (T/TT/NTT)			46.9%	50.6%	48.8%	Increase  ↓
D.3.2	Graduate student headcount	1965	1888	2030	2050	1981	2350  ↓
	Doctoral student headcount	397	420	481	537	555	Increase  ↑
D.3.3	Graduate Degrees Awarded (Summer, Fall, Spring)	591	584	562	673	600	625  ↓
	STEM Masters and Doc Degrees Awarded (Summer, Fall, Spring)	297	328	352	366	345	325  ↓
	All Doctoral Degrees Awarded (Summer, Fall, Spring)	53	49	56	79	60	80  ↓
D.3.4	The number and proportion of doctoral students presenting at national and international meetings, publishing in eminent academic outlets, earning high-profile fellowships, securing prizes from national and international competitions and garnering prestigious job placements	No comprehensive data collection effort	RFP for new data collection system to include grad option; not implemented for grads	327 scholarly products co-authored with faculty	590	466	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