

NSF Total Research Expenditure Rankings for FY2019 (Released January 2021) Top 25 Overall by Key Fields and Subfields

	FY2019 Ranking	FY2018 Ranking	FY2017 Ranking	Industry	Total Engineering	Aero/Astro-Engineering	Bio-Engineering	Chemical Engineering	Civil Engineering	Eng - Electrical	Eng- Industrial and Manufacturing	Eng - Materials	Eng - Mechanical	Total Physical Sciences	Chemistry	Material Science	Physics	Astronomy	Total Environmental Sci	Atmospheric/Meteorology	Geological and Earth Sciences	Ocean Sciences	Mathematical	Computer Science	Total Life Sciences	Agricultural	Biological	Health Sciences	Natural resources	Psychology	Total Social Sciences	Anthropology	Economics	Political Science	Sociology	Number In Top Ten Fields/Subfields	
Johns Hopkins	1	1	1	8	1	3	4	9	18	1	1	7	1	1	17	15	1	2	21	21	24	30	1	1	3	N/A	6	5	N/A	79	80	##	##	##	22	16	
Michigan	2	2	2	10	7	14	19	20	12	5	18	21	8	26	11	N/A	21	29	50	N/A	15	N/A	6	49	5	88	13	10	7	10	1	2	2	4	2	13	
UC San Francisco	3	3	4	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	25	1	N/A	##	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	N/A	##	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3
U. Pennsylvania	4	4	3	3	46	N/A	16	28	N/A	38	N/A	N/A	14	24	30	5	23	50	##	N/A	##	N/A	25	18	2	##	1	35	N/A	26	11	38	16	21	3	4	
U. Washington	5	5	5	24	19	28	11	38	11	17	42	41	27	18	26	25	28	17	3	2	21	5	32	20	6	##	14	8	6	48	47	##	##	18	23	6	
UC San Diego	6	7	7	12	16	N/A	3	N/A	N/A	6	N/A	N/A	24	20	8	N/A	6	N/A	1	7	4	2	35	16	13	N/A	68	3	N/A	12	36	N/A	35	8	46	10	
UCLA	7	6	12	15	32	N/A	53	17	66	18	N/A	34	25	22	21	N/A	14	N/A	23	18	10	N/A	10	38	8	N/A	96	2	N/A	19	8	N/A	##	26	16	5	
Wisconsin	8	8	6	54	23	N/A	32	26	39	35	22	25	43	16	14	N/A	18	30	12	5	20	N/A	29	30	14	15	12	16	81	33	12	28	28	19	21	1	
Harvard	9	9	9	34	33	N/A	2	146	88	48	N/A	23	184	14	7	N/A	11	13	20	29	30	##	3	40	20	N/A	2	55	51	63	2	21	3	1	59	6	
Duke	10	10	8	1	30	N/A	6	N/A	35	21	N/A	55	51	48	61	N/A	60	N/A	63	N/A	88	33	16	92	4	N/A	16	4	29	36	18	22	25	6	13	4	
Stanford	11	11	10	6	22	17	7	10	29	33	N/A	30	12	11	16	7	8	34	44	N/A	29	54	42	22	12	N/A	22	11	48	9	28	27	24	11	##	6	
UNC	12	12	11	36	102	N/A	52	N/A	19	N/A	25	N/A	N/A	38	18	N/A	68	66	46	N/A	61	34	64	26	11	N/A	27	7	##	1	3	66	##	28	1	4	
Cornell	13	13	13	25	26	44	29	22	54	27	24	13	18	5	13	16	7	11	92	49	62	##	58	14	16	6	8	32	9	31	22	70	32	57	11	5	
U. Maryland	14	**	**	53	17	12	20	48	5	36	N/A	18	17	9	66	82	9	5	13	6	19	57	43	9	26	23	28	25	54	47	5	31	67	16	25	7	
Pittsburgh	15	14	16	58	77	N/A	35	33	111	73	39	N/A	54	46	37	N/A	62	40	57	N/A	96	N/A	45	65	7	N/A	10	9	N/A	27	##	##	##	70	##	3	
Yale	16	15	15	18	91	99	34	69	239	56	N/A	N/A	62	29	22	N/A	15	27	85	N/A	46	N/A	50	88	9	N/A	19	6	22	29	50	24	22	##	52	2	
Minnesota	17	17	17	30	24	19	14	5	27	31	43	46	21	30	27	N/A	25	48	53	N/A	17	N/A	17	27	22	21	47	17	4	3	17	43	10	12	8	5	
MIT	18	16	14	2	3	8	1	1	21	10	97	3	4	7	9	10	10	6	26	17	22	32	13	6	92	86	55	##	N/A	##	13	N/A	5	29	##	13	
Columbia	19	18	20	14	52	46	22	55	121	111	54	N/A	71	33	55	13	56	24	9	14	5	7	33	21	17	N/A	21	14	49	86	38	N/A	N/A	68	20	3	
UTX MDAnderson	20	19	21	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	96	N/A	N/A	29	N/A	N/A	N/A	N/A	N/A	4	N/A	10	N/A	11	12	N/A	18	74	##	##	N/A	15	2	
Georgia Tech	21	22	24	20	2	2	5	7	13	2	2	6	5	36	15	N/A	46	N/A	59	64	26	##	22	3	##	71	##	##	N/A	##	##	N/A	82	N/A	68	9	
Texas A&M	22	20	19	39	6	13	17	6	1	20	16	14	10	39	19	23	27	25	5	32	18	3	20	29	45	1	62	72	19	##	20	11	12	22	50	6	
Penn State	23	21	23	48	5	7	24	8	26	4	4	2	2	12	34	1	19	9	18	8	9	51	2	7	59	11	52	70	78	2	23	6	63	71	4	16	
NYU	24	24	18	32	31	N/A	172	105	149	41	N/A	N/A	112	44	41	N/A	52	N/A	##	N/A	##	##	12	46	24	N/A	15	26	N/A	10	19	##	66	14	24	1	
Ohio State	25	25	22	4	14	81	76	18	59	22	15	5	3	27	33	50	26	32	74	N/A	36	N/A	28	24	30	29	59	22	23	57	43	58	17	##	30	3	
Penn State 2018				44	4	10	40	8	38	4	5	2	2	9	31	1	18	10	15	10	7	46	5	8	52	8	46	68	##	3	21	10	30	54	4	18	
Penn State 2017				38	4	10	27	13	16	4	4	2	3	11	32	1	25	8	21	11	10	52	7	9	57	12	52	66	67	3	10	5	25	28	2	15	
Penn State 2016				40	7	10	40	10	16	5	2	1	2	15	29	2	24	17	21	10	7	57	2	8	49	11	47	67	41	5	9	##	36	15	2	15	
Penn State 2015				33	5	11	54	13	14	4	*	2	3	22	31	*	21	11	13	9	7	37	9	8	55	13	68	62	*	5	11	*	42	26	2	10	
Penn State 2014				31	5	10	66	21	12	4		2	3	21	33		18	15	13	8	8	32	11	8	52	11	66	60		4	11		41	25	2	10	
Penn State 2013				27	5	8	76	19	9	4		1	3	21	26		17	15	14	9	9	35	11	8	47	8	64	58		2	14		45	28	3	12	
Penn State 2012				22	4	8	76	16	11	4		1	4	18	17		13	15	13	8	8	34	10	10	48	10	65	60		3	17		32	33	3	12	

*= New Field in FY2016

**UM-Baltimore and UM-College Park were combined in FY19, as codified through the UM Strategic Partnership Act passed by Maryland's General Assembly in 2016