

**NSF Total Research Expenditure Rankings for FY2020 (Released January 2022)**  
**Top 25 Overall by Key Fields and Subfields**

	FY2020 Ranking	FY2019 Ranking	FY2018 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	10	1	3	3	6	21	1	2	4	1	1	15	15	1	2	12	14	8	19	1	1	3	N/A	9	4	N/A	68	111	217	234	149	31	17
Michigan	2	2	2	11	7	16	15	18	13	6	24	25	8	22	10	N/A	23	32	54	N/A	18	N/A	6	44	7	89	13	11	7	8	1	2	4	4	2	13
UC San Francisco	3	3	3	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20	1	N/A	194	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	N/A	258	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3
U. Pennsylvania	4	4	4	4	45	N/A	18	33	N/A	38	N/A	N/A	14	25	28	6	25	46	171	N/A	119	N/A	28	23	2	98	1	34	N/A	24	13	23	22	24	3	4
U. Washington	5	5	5	26	21	29	8	34	16	15	43	43	30	23	20	27	29	16	3	2	17	4	25	19	8	135	14	8	6	56	54	129	N/A	18	24	7
UC San Diego	6	6	7	9	14	N/A	4	N/A	N/A	5	N/A	N/A	28	15	13	N/A	6	N/A	1	5	3	2	41	16	14	N/A	70	3	N/A	11	40	N/A	45	6	57	9
UCLA	7	7	6	13	37	N/A	51	39	60	19	N/A	40	27	28	29	N/A	14	N/A	22	19	9	N/A	11	37	5	N/A	104	2	N/A	14	7	N/A	86	21	12	4
Wisconsin	8	8	8	54	23	N/A	28	25	30	39	22	26	35	16	9	N/A	22	33	13	4	16	N/A	32	18	12	10	12	18	75	34	10	29	13	17	27	4
Harvard	9	9	9	35	34	N/A	2	144	99	53	N/A	9	171	11	7	N/A	7	11	19	26	32	146	5	43	23	183	2	59	54	81	2	14	2	1	67	9
Stanford	10	11	11	8	24	15	9	13	23	35	N/A	32	13	12	16	7	8	31	42	N/A	28	58	27	22	13	N/A	18	12	63	15	30	83	42	11	144	3
Duke	11	10	10	1	35	N/A	5	N/A	45	21	N/A	65	53	68	63	N/A	50	N/A	71	N/A	109	34	16	93	4	N/A	16	6	26	52	16	16	36	85	16	3
Cornell	12	13	13	27	26	43	23	22	53	25	23	11	19	7	14	14	10	17	82	51	47	130	59	14	16	6	7	29	10	36	28	89	50	57	19	5
UNC	13	12	12	34	109	N/A	53	N/A	17	N/A	48	N/A	N/A	37	23	N/A	61	61	45	N/A	42	36	30	21	11	N/A	27	7	196	1	4	55	136	37	1	4
Texas A&M	14	22	20	47	5	7	16	8	1	22	17	19	9	29	19	16	32	25	5	27	20	3	21	36	36	2	61	44	17	76	24	5	18	16	66	9
Pittsburgh	15	15	14	53	66	N/A	34	27	94	68	38	N/A	48	49	37	N/A	68	40	65	N/A	103	N/A	49	68	9	130	11	9	N/A	17	120	122	141	70	197	2
U. Maryland	16	14	**	56	19	19	19	69	5	31	N/A	22	24	9	60	48	11	5	15	8	7	59	37	9	29	28	28	30	58	49	6	50	83	19	32	7
Yale	17	16	15	20	96	N/A	43	72	N/A	56	N/A	N/A	60	27	27	N/A	17	26	99	N/A	56	N/A	45	94	10	N/A	22	5	21	48	53	25	25	76	50	2
UTX MDAnderson	18	20	19	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	76	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	2	N/A	6	41	10	10	N/A	20	68	N/A	N/A	N/A	10	5
Georgia Tech	19	21	22	22	2	2	22	9	3	2	1	18	5	41	24	N/A	57	N/A	59	62	27	135	20	3	143	72	134	118	N/A	97	18	N/A	97	N/A	73	8
Minnesota	20	17	17	36	27	23	10	5	32	33	39	42	22	33	25	N/A	27	45	55	N/A	19	N/A	19	29	20	21	45	16	4	4	21	100	21	15	7	5
Columbia	21	19	18	18	52	51	20	54	125	106	61	N/A	76	38	51	11	53	28	7	15	6	7	50	25	18	N/A	23	14	47	77	58	N/A	N/A	63	20	3
Penn State	22	23	21	55	4	6	21	11	35	4	6	2	2	14	34	1	21	12	23	10	12	46	7	8	54	11	47	70	66	2	26	12	71	75	4	12
MIT	23	18	16	2	3	10	1	1	25	10	107	3	4	4	8	9	9	6	27	17	29	31	15	6	98	104	67	117	99	222	12	N/A	5	30	256	14
Ohio State	24	25	25	5	15	83	70	24	62	23	18	5	3	26	12	39	26	30	76	N/A	36	N/A	34	30	30	25	54	22	22	63	43	58	32	79	28	2
NYU	25	24	24	32	32	N/A	180	108	140	40	N/A	N/A	110	53	43	N/A	45	N/A	265	N/A	217	124	10	49	24	N/A	15	24	N/A	5	23	163	66	13	21	2

Penn State 2019				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
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	116	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	121	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