

**NSF Total Research Expenditure Rankings for FY2021 (Released December 2022)**  
**Top 30 Overall by Key Fields and Subfields**

	FY2021 Ranking	FY2020 Ranking	FY2019 Ranking	Industry	Computer Science	ENG - TOTAL	ENG - Aero/Astro	ENG - Bio	ENG - Chemical	ENG - Civil	ENG - Electrical	ENG - Ind / Manufact	ENG - Materials	ENG - Mechanical	Environmental Sciences - TOTAL	Atmospheric/Meteorology	Geological and Earth Sciences	Ocean Sciences	Life Sciences - TOTAL	Agricultural	Biological	Health Sciences	Natural resources	Mathematical	Physical Sciences - TOTAL	Astronomy	Chemistry	Material Science	Physics	Psychology	Social Sciences - TOTAL	Anthropology	Economics	Political Science	Sociology	Number in Top Ten Fields/Subfields	
Johns Hopkins	1	1	1	10	1	1	4	2	7	24	1	1	3	1	8	15	9	11	3	N/A	6	7	N/A	1	1	3	17	16	1	67	118	144	252	165	49	19	
UC San Francisco	2	3	3	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	N/A	258	1	N/A	N/A	20	N/A	1	N/A	176	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4
U. Michigan	3	2	2	11	55	9	20	16	15	17	6	21	27	8	54	N/A	18	N/A	10	87	16	13	10	5	21	28	10	N/A	19	13	1	2	3	2	2	12	
U. Pennsylvania	4	4	4	2	18	43	N/A	14	29	N/A	31	N/A	N/A	18	165	N/A	108	N/A	2	100	1	35	N/A	18	23	51	22	7	25	22	13	19	25	29	5	5	
U. Washington	5	5	5	30	20	19	24	11	35	18	15	39	43	28	3	2	35	3	7	135	14	10	6	33	24	18	20	33	31	37	57	118	236	20	26	6	
UCLA	6	7	7	12	47	37	N/A	55	50	51	19	N/A	41	25	22	17	11	N/A	5	N/A	106	2	N/A	11	26	N/A	18	N/A	17	16	7	N/A	119	26	10	4	
UC San Diego	7	6	6	14	11	16	67	4	170	165	5	N/A	98	27	1	20	7	1	17	N/A	74	4	91	34	16	48	15	N/A	8	12	32	43	39	7	33	8	
Madison	8	8	8	52	25	24	N/A	27	25	34	39	23	21	37	12	4	14	N/A	15	5	15	23	75	29	15	29	9	N/A	23	39	6	41	11	9	22	5	
Stanford	9	10	11	8	28	23	18	17	10	36	24	19	32	13	40	N/A	26	57	12	N/A	17	12	71	31	13	32	14	6	10	20	33	146	33	21	181	4	
Harvard	10	9	9	28	33	38	N/A	3	116	106	97	N/A	10	187	24	25	37	82	25	185	2	60	34	3	9	15	6	N/A	6	95	2	15	4	1	24	10	
Duke	11	11	10	3	106	36	N/A	6	N/A	55	21	N/A	73	51	85	N/A	136	37	6	N/A	13	6	24	17	70	N/A	59	N/A	60	62	16	20	48	113	12	4	
Ohio State	12	24	25	6	44	18	76	87	30	62	25	17	8	3	76	N/A	39	N/A	14	23	51	9	29	38	36	34	39	58	27	55	45	62	42	84	27	4	
UNC-Chapel Hill	13	13	12	33	14	111	N/A	48	N/A	19	N/A	54	N/A	N/A	46	N/A	54	35	11	N/A	26	5	196	35	37	56	23	N/A	62	1	5	93	171	35	1	4	
Cornell	14	12	13	36	16	29	41	19	16	58	27	27	11	23	91	53	62	110	16	10	10	28	12	76	8	17	13	21	9	36	34	101	56	46	28	4	
Yale	15	17	16	16	83	102	N/A	50	75	N/A	56	N/A	N/A	65	87	N/A	45	N/A	8	N/A	20	3	22	51	25	30	26	N/A	18	44	54	23	19	47	47	2	
Texas A&M	16	14	22	50	36	4	8	8	13	1	23	14	24	9	5	28	16	2	35	2	48	50	16	27	27	19	21	18	36	64	25	13	15	17	64	8	
U. Maryland	17	16	14	54	9	21	21	22	31	6	38	91	17	26	13	11	6	59	28	27	27	59	47	10	5	69	30	11	52	8	40	80	19	25	6		
U. Pittsburgh	18	15	15	49	69	64	N/A	30	28	87	69	42	N/A	45	69	N/A	99	N/A	9	122	11	11	N/A	65	51	38	40	N/A	70	17	133	137	134	81	154	1	
UTX MDAnderson	19	18	20	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4	42	9	8	N/A	4	83	N/A	N/A	N/A	32	14	56	N/A	N/A	N/A	9	6	
Georgia Tech	20	19	21	27	3	2	1	5	5	12	2	2	16	5	57	68	22	103	157	74	131	174	N/A	19	42	N/A	24	N/A	56	104	90	N/A	109	130	67	8	
Columbia	21	21	19	18	17	53	48	15	40	122	117	79	N/A	90	9	16	10	7	20	N/A	19	16	45	62	32	22	36	19	33	85	71	N/A	N/A	106	21	3	
U. Minnesota	22	20	17	35	29	28	26	12	8	33	32	56	47	14	58	N/A	21	N/A	23	20	41	18	4	20	35	45	29	N/A	30	4	20	94	21	25	4	4	
NYU	23	25	24	31	50	35	N/A	195	90	139	41	N/A	N/A	110	267	N/A	224	114	22	N/A	12	21	N/A	7	56	N/A	44	N/A	53	6	24	194	72	10	20	3	
Vanderbilt	24	31	33	15	38	45	N/A	26	19	22	28	N/A	N/A	40	170	N/A	112	N/A	19	N/A	23	14	207	121	47	N/A	37	N/A	48	21	85	58	88	24	185	0	
Washington-St. Louis	25	28	28	9	116	122	N/A	44	68	194	105	N/A	58	N/A	96	N/A	53	N/A	13	N/A	5	19	N/A	150	64	N/A	58	10	87	69	201	49	237	169	165	3	
Penn State	26	22	23	48	8	6	10	10	22	46	4	32	2	2	28	10	23	60	58	18	45	72	31	9	14	12	35	1	26	3	27	67	34	67	3	12	
U. of Florida	27	26	26	53	51	27	38	18	71	13	17	38	22	30	50	N/A	33	33	26	1	35	34	9	96	49	46	49	N/A	50	30	47	22	24	36	161	2	
U. Southern California	28	27	27	22	5	52	61	60	97	32	14	37	135	82	56	N/A	32	49	30	N/A	43	22	N/A	110	71	156	51	24	86	46	3	113	125	149	60	2	
MIT	29	23	18	4	4	5	9	1	2	25	13	116	4	7	30	19	28	28	103	170	75	116	106	16	3	7	4	12	7	223	12	N/A	2	34	273	13	
Northwestern	30	29	29	29	73	48	N/A	31	14	82	75	30	15	76	186	N/A	127	N/A	27	N/A	30	20	N/A	108	18	26	7	4	29	113	36	51	22	103	159	2	

Penn State 2020				55	8	4	6	21	11	35	4	6	2	2	23	10	12	46	54	11	47	70	66	7	14	12	34	1	21	2	26	12	71	75	4	12
Penn State 2019				48	7	5	7	24	8	26	4	4	2	2	18	8	9	51	59	11	52	70	78	2	12	9	34	1	19	2	23	6	63	71	4	16
Penn State 2018				44	8	4	10	40	8	38	4	5	2	2	15	10	7	46	52	8	46	68	116	5	9	10	31	1	18	3	21	10	30	54	4	18
Penn State 2017				38	9	4	10	27	13	16	4	4	2	3	21	11	10	52	57	12	52	66	67	7	11	8	32	1	25	3	10	5	25	28	2	15
Penn State 2016				40	8	7	10	40	10	16	5	2	1	2	21	10	7	57	49	11	47	67	41	2	15	17	29	2	24	5	9	121	36	15	2	15
Penn State 2015				33	8	5	11	54	13	14	4	*	2	3	13	9	7	37	55	13	68	62	*	9	22	11	31	*	21	5	11	*	42	26	2	10
Penn State 2014				31	8	5	10	66	21	12	4		2	3	13	8	8	32	52	11	66	60		11	21	15	33		18	4	11		41	25	2	10
Penn State 2013				27	8	5	8	76	19	9	4		1	3	14	9	9	35	47	8	64	58		11	21	15	26		17	2	14		45	28	3	12
Penn State 2012				22	10	4	8	76	16	11	4		1	4	13	8	8	34	48	10	65	60		10	18	15	17		13	3	17		32	33	3	12