

Table TAL-17. Postgraduation plans of U.S. S&E doctorates on temporary resident visas to stay in the United States, by broad field of doctorate and country or economy of origin: 2012–23

(Number and percent)

Field and country or economy of origin	Temporary residents								
	Doctorate recipients (number)			Plans to stay (%)			Definite commitments to stay (%)		
	2012–15	2016–19	2020–23	2012–15	2016–19	2020–23	2012–15	2016–19	2020–23
All S&E fields	53,953	59,440	65,181	73.4	75.0	76.3	44.6	49.5	56.8
Agricultural sciences and natural resources	2,198	2,501	2,426	62.6	62.7	69.5	35.7	37.3	48.3
Biological and biomedical sciences	8,930	8,770	8,788	78.7	81.0	81.3	47.3	52.7	60.2
Computer and information sciences	3,983	4,797	6,046	82.4	82.2	81.1	55.3	60.5	64.9
Engineering	19,183	21,136	23,906	78.0	79.4	80.3	44.8	50.3	58.3
Geosciences, atmospheric sciences, and ocean sciences	1,204	1,543	1,523	69.7	71.2	72.6	48.7	46.1	54.2
Health sciences	1,679	2,165	2,236	68.1	66.4	66.6	39.7	43.3	48.0
Mathematics and statistics	3,234	3,613	4,328	72.5	75.2	73.9	49.4	56.2	59.0
Physical sciences	7,082	7,787	7,987	76.5	77.6	79.0	45.9	50.5	58.7
Psychology	1,045	1,214	1,305	57.5	65.7	67.8	37.4	46.2	53.1
Social sciences	5,415	5,914	6,636	48.4	52.4	57.1	32.8	36.7	43.6
Country or economy of origin									
China ^a	17,973	21,735	23,345	82.7	81.8	78.7	49.4	54.2	60.1
India	8,547	7,802	9,345	86.0	87.8	88.4	51.1	57.3	65.8
South Korea	3,994	3,263	3,050	63.7	67.5	69.3	39.4	46.5	54.0
Iran	1,729	3,143	3,025	88.8	92.3	92.4	54.2	58.4	65.8
Bangladesh	447	945	1,800	85.5	88.6	89.3	44.5	56.4	66.2
Saudi Arabia	268	1,132	1,597	16.0	12.7	14.1	6.7	4.3	4.9
Taiwan	2,229	1,806	1,586	72.7	79.6	80.9	42.4	49.9	59.4
Canada	1,286	1,183	1,204	60.5	65.3	64.5	41.8	50.5	51.7
Turkey	1,490	1,461	1,155	63.4	64.7	72.8	40.3	44.4	55.2
Nepal	560	866	1,081	87.1	90.3	93.7	49.3	52.3	65.7
Brazil	511	640	1,017	49.3	62.3	71.2	32.5	49.2	57.3
Sri Lanka	494	562	770	78.1	82.9	84.7	41.9	47.5	57.8
Nigeria	259	418	750	82.6	85.4	88.0	43.2	45.0	53.7
Mexico	649	655	749	58.2	66.7	76.0	36.7	43.2	55.5
Colombia	617	651	673	61.1	58.5	69.2	40.0	40.6	51.3
Unknown foreign country	307	971	1,368	34.2	45.6	56.5	19.2	30.8	39.9
Other	12,593	12,207	12,666	58.4	61.0	67.8	37.4	41.2	49.8

^a Includes Hong Kong.**Note(s):**

Data include doctorate recipients who are on temporary resident visas. Percentages are based on the total number of S&E doctorate recipients on temporary resident visas, including those who did not report their postgraduate location plans or employment plans. Recipients who plan to stay report intending to locate in the United States; definite commitments include doctorate recipients reporting having a definite commitment for a postdoctoral appointment or employment in the United States. The Survey of Earned Doctorates (SED) data collection for field of study changed in 2021, which may affect the data comparison across years. This figure uses the trend field taxonomy that facilitates trend data comparisons with prior years; for more information, see the "Technical Notes" in <https://nces.gov/surveys/earned-doctorates/2024>. See also Table 3-4, <https://nces.gov/pubs/nsf25349/table/3-4>.

Source(s):

National Center for Science and Engineering Statistics, SED.

Science and Engineering Indicators