

Table TAL-9. STEM workforce and the educational attainment, citizenship status, and country or economy of the foreign-born STEM workforce, by major industry: 2023

(Number and percent)

Major industries	Workers (number)	STEM workers (number)	STEM workers (percent)	Foreign-born STEM workers (number)	Foreign-born STEM workers (percent)	Educational attainment of foreign-born STEM workers (percent)		Citizenship of foreign-born STEM workers (percent)			Top 3 countries or economies of origin of foreign-born STEM workers	Foreign-born STEM workers from top 3 countries or economies of origin (number)
						Without a bachelor's degree	With a bachelor's or an advanced degree	Native-born U.S. citizens	Naturalized U.S. citizens	Noncitizens		
Agriculture, forestry, fishing and hunting	1,666,297	645,141	38.7	75,981	11.8	80.7	19.3	5.1	35.0	59.8	Mexico, Guatemala, Vietnam	49,159
Mining, quarrying, and oil and gas extraction	584,842	242,207	41.4	35,073	14.5	56.1	43.9	7.7	42.0	50.3	Mexico, China, India	17,639
Construction	10,134,690	4,049,690	40.0	1,080,180	26.7	88.5	11.5	3.2	30.9	65.9	Mexico, El Salvador, Guatemala	635,464
Manufacturing	14,746,078	5,669,647	38.4	1,221,584	21.5	50.0	50.0	4.8	52.1	43.0	Mexico, India, China	498,809
Wholesale trade	3,065,471	316,148	10.3	76,762	24.3	60.9	39.1	5.4	43.6	51.0	Mexico, India, China	30,648
Retail trade	13,251,840	1,579,014	11.9	335,471	21.2	45.6	54.4	4.4	51.9	43.6	India, Mexico, China	129,643
Transportation and warehousing	7,579,153	631,981	8.3	138,589	21.9	60.4	39.6	6.0	56.4	37.6	Mexico, India, Philippines	46,657
Utilities	1,336,871	611,096	45.7	80,656	13.2	45.7	54.3	7.4	57.4	35.2	Mexico, India, Vietnam	26,861
Information	2,745,149	943,936	34.4	239,538	25.4	23.4	76.6	5.1	45.8	49.2	India, China, Mexico	102,815
Finance and insurance	7,415,855	1,012,016	13.6	299,198	29.6	12.1	87.9	3.8	55.5	40.7	India, China, Philippines	150,524
Real estate and rental and leasing	2,726,849	306,776	11.3	67,270	21.9	69.3	30.7	6.8	54.8	38.4	Mexico, Cuba, Dominican Republic	25,304
Professional, scientific, and technical services	12,719,816	4,824,213	37.9	1,282,516	26.6	13.3	86.7	5.8	48.0	46.2	India, China, Mexico	577,416
Management of companies and enterprises	159,490	33,744	21.2	8,585	25.4	5.8	94.2	9.0	40.1	50.9	India; China; Korea, not specified	4,091
Administrative and support and waste management services	6,204,219	693,009	11.2	160,294	23.1	53.8	46.2	6.3	45.0	48.7	Mexico, India, Philippines	56,908
Educational services	13,668,402	1,258,962	9.2	248,488	19.7	18.1	81.9	5.8	50.7	43.5	India, China, Mexico	80,023
Health care and social assistance	20,589,400	9,605,906	46.7	1,736,076	18.1	26.1	73.9	7.0	70.6	22.4	Philippines, India, Mexico	525,606
Arts, entertainment, and recreation	2,647,605	225,196	8.5	34,309	15.2	54.7	45.3	10.7	58.7	30.6	Mexico, China, Venezuela	11,306
Accommodation and food services	6,525,274	487,343	7.5	205,948	42.3	83.9	16.1	2.4	42.6	55.0	Mexico, China, Vietnam	89,915
Other services, except public administration	6,709,138	1,007,159	15.0	228,013	22.6	81.6	18.4	4.4	43.0	52.7	Mexico, El Salvador, Cuba	92,670
Public administration	7,210,673	1,787,142	24.8	231,541	13.0	25.8	74.2	10.5	71.8	17.8	Mexico, India, Philippines	58,626

STEM = science, technology, engineering, and mathematics.

Note(s):

Data include the employed, civilian, noninstitutionalized population ages 25–75 not currently in primary or secondary school. Missing occupations and those who have not worked in the past 5 years or have never worked are not included in the workforce data. STEM includes S&E, S&E-related, and STEM middle-skill occupations.

Source(s):

Census Bureau, American Community Survey (ACS), 2023.