

The Economic Benefits of International Students to the U.S. Economy Contributed \$24 billion in 2012-2013; Supports 313,000 jobs

International students contribute academic value to U.S. colleges and universities as well as cultural value to local communities. International students also make a significant contribution to the U.S. economy. During the 2012-2013 academic year, NAFSA: Association of International Educators estimates that international students and their dependents contributed \$24 billion to the U.S. economy. NAFSA's economic analysis also shows that nearly 313,000 jobs are supported or generated as a result of international student spending on tuition and living expenses while in the United States. This means that for every 7 international students enrolled, 3 U.S. jobs are created or supported by spending occurring in the following sectors: higher education, accommodation, dining, retail, transportation, telecommunications, and health insurance.

Overall analysis of the economic contributions is conducted for NAFSA by Jason Baumgartner, director for information services at Indiana University – Bloomington's Office of International Services. The dollar amounts are calculated using:

- International student enrollment figures from the Institute of International Education *Open Doors 2013* report, produced in partnership with the U.S. Department of State's Bureau of Educational and Cultural Affairs;
- College and university tuition data from the U.S. Department of Education's National Center of Educational Statistics Integrated Postsecondary Education Data System, plus living expenses derived from these figures.

The number of jobs created/supported is calculated using the above data combined with data and research findings from:

- The U.S. Department of Commerce's International Trade Administration and Bureau of Economic Analysis, and
- Dr. Enrico Moretti, a professor of economics at the University of California, Berkeley, who discusses an extended multiplier effect in innovation sectors in his book, *The New Geography of Jobs* (2012).

Access <http://www.nafsa.org/economicvalue> for a more in-depth discussion of the research methodology, and to use NAFSA's new interactive "International Student Economic Value Tool", which highlights ten-year trends and data broken down by region, state, and congressional district. By any measure, international education makes a significant contribution.

United States of America

Total Number of Foreign Students:

819,644

Part 1: Net Contribution to U.S. Economy by Foreign Students (2012-13)

Contribution from Tuition and Fees to U.S. Economy:	\$17,702,000,000
Contribution from Living Expenses:	\$14,715,000,000
Total Contribution by Foreign Students:	\$32,417,000,000
Less U.S. Support of 27.2%	- \$8,815,000,000
Plus Dependents' Living Expenses:	+ \$393,000,000

Net Contribution to U.S. Economy by Foreign Students and their Families:

\$23,996,000,000

Part 2: Contribution to U.S. Economy by Foreign Students' Dependents (2012-13)

Spouses' Contribution

Percent of Married Students:	7.3%
Percent of Spouses in the U.S.:	85.0%
Number of Spouses in the U.S.:	59,736
Additional Expenses for a Spouse: (% of student living expenses)	25.0%
Spouses' Contribution:	\$266,000,000

Children's Contribution

Number of Couples in the U.S.:	59,736
Number of Children per Couple:	0.6
Number of Children in the U.S.:	35,717
Additional Expenses for a Child: (% of student living expenses)	20.0%
Children's Contribution:	\$127,000,000

Net Contribution to U.S. Economy by Foreign Students' Dependents:

\$393,000,000

Part 3: Net Jobs Created/Supported by Foreign Students and their Families (2012-13)

Jobs Directly Created/Supported:	114,812
Jobs Indirectly Created/Supported:	198,448

Net Jobs Created/Supported in the State Economy by Foreign Students and their Families:

313,260

Part 4: Financial Contribution and Jobs Created/Supported by State (2012-13)

State	# of Foreign Students	Tuition and Fees (millions)	Living Expenses and Dependents (millions)	Less U.S. Support (millions)	Total Contribution (millions)	# of Jobs Created/Supported
Alabama	7,108	\$125.3	\$101.0	\$62.1	\$164.1	1,931
Alaska	648	\$11.3	\$10.4	\$4.8	\$16.8	147
Arizona	13,307	\$282.6	\$224.8	\$139.5	\$367.9	5,459
Arkansas	5,030	\$73.8	\$82.4	\$28.9	\$127.2	1,195
California	111,250	\$2,248.8	\$2,414.7	\$1,045.6	\$3,617.8	43,178
Colorado	8,975	\$210.7	\$176.7	\$106.4	\$281.0	4,210
Connecticut	9,955	\$258.6	\$206.1	\$124.8	\$339.9	3,875
Delaware	4,343	\$96.7	\$70.3	\$45.5	\$121.5	1,766
District of Columbia	9,237	\$274.6	\$229.3	\$165.4	\$338.4	4,042
Florida	32,817	\$686.1	\$603.2	\$344.2	\$945.0	12,867
Georgia	16,661	\$399.6	\$291.6	\$190.2	\$501.0	7,239
Hawaii	4,413	\$62.8	\$77.3	\$31.5	\$108.6	1,027
Idaho	3,261	\$45.6	\$44.6	\$18.2	\$72.0	711
Illinois	39,047	\$917.6	\$705.2	\$524.1	\$1,098.7	17,231
Indiana	24,389	\$628.2	\$419.1	\$272.1	\$775.2	11,122
Iowa	11,563	\$240.6	\$178.4	\$93.8	\$325.2	3,421
Kansas	9,597	\$142.8	\$134.5	\$64.1	\$213.2	2,368
Kentucky	6,378	\$113.8	\$91.8	\$47.0	\$158.6	1,508
Louisiana	7,717	\$137.6	\$110.3	\$71.9	\$175.9	2,338
Maine	1,405	\$35.2	\$24.4	\$13.2	\$46.4	458
Maryland	15,525	\$348.2	\$323.4	\$208.6	\$462.9	6,123
Massachusetts	46,478	\$1,426.9	\$1,024.6	\$736.4	\$1,715.1	24,288
Michigan	26,926	\$704.3	\$448.2	\$329.6	\$822.9	11,612
Minnesota	13,254	\$238.1	\$203.0	\$108.8	\$332.2	3,633
Mississippi	2,705	\$35.4	\$37.5	\$21.0	\$51.9	586
Missouri	17,279	\$332.1	\$279.5	\$159.4	\$452.1	5,732
Montana	1,611	\$27.7	\$23.9	\$9.5	\$42.1	497
Nebraska	5,143	\$76.6	\$74.1	\$35.2	\$115.5	1,262
Nevada	2,362	\$35.9	\$41.7	\$16.6	\$61.0	773
New Hampshire	3,101	\$84.8	\$57.5	\$38.6	\$103.8	1,423
New Jersey	15,673	\$352.9	\$320.0	\$210.0	\$462.8	6,099
New Mexico	3,555	\$53.5	\$55.0	\$27.1	\$81.4	909
New York	88,180	\$2,108.5	\$1,880.8	\$1,164.6	\$2,824.7	35,233
North Carolina	15,015	\$325.6	\$246.7	\$187.0	\$385.3	5,561
North Dakota	3,093	\$42.2	\$41.0	\$21.1	\$62.0	642
Ohio	28,373	\$586.8	\$478.8	\$293.1	\$772.5	10,908
Oklahoma	9,059	\$143.2	\$139.8	\$67.1	\$215.9	2,440
Oregon	11,682	\$241.7	\$218.9	\$85.6	\$375.0	4,577
Pennsylvania	37,245	\$1,014.1	\$710.0	\$510.4	\$1,213.7	18,963
Puerto Rico	943	\$6.0	\$12.6	\$4.6	\$14.0	0
Rhode Island	5,272	\$150.7	\$101.2	\$55.0	\$196.9	2,232
South Carolina	5,083	\$102.6	\$80.4	\$58.0	\$125.1	1,473

South Dakota	1,504	\$19.5	\$16.9	\$9.8	\$26.6	214
Tennessee	7,323	\$173.5	\$124.0	\$72.7	\$224.8	3,057
Texas	62,901	\$911.1	\$993.1	\$523.7	\$1,380.4	18,305
Utah	8,311	\$117.7	\$116.6	\$50.3	\$183.9	2,478
Vermont	1,214	\$38.6	\$20.8	\$13.2	\$46.2	451
Virgin Islands	101	\$1.3	\$1.9	\$0.7	\$2.5	0
Virginia	16,507	\$351.5	\$252.6	\$147.7	\$456.4	6,357
Washington	22,896	\$384.2	\$385.0	\$126.2	\$643.0	6,736
West Virginia	2,685	\$42.5	\$39.4	\$22.3	\$59.6	639
Wisconsin	10,437	\$221.1	\$147.3	\$100.2	\$268.2	3,761
Wyoming	1,107	\$11.6	\$16.6	\$7.9	\$20.3	203