



**The Economic Benefits of International Education to the
United States for the 2007-2008 Academic Year:
A Statistical Analysis**

NAFSA estimates that foreign students and their dependents contributed approximately \$15.54 billion to the U.S. economy during the 2007-2008 academic year. This conservative figure is based on tuition figures from Peterson's, enrollment figures from the Institute of International Education's *Open Doors 2008* report, living expenses calculated from Peterson's figures and analysis of the data by Jason Baumgartner at Indiana University – Bloomington's Office of International Services.

NAFSA's annual *Economic Impact Statements* estimate the amount of money foreign students bring to the United States to support their education. This report does not rely on a "multiplier effect." Although this might provide a more accurate estimate of actual economic impact, there is no consensus on the appropriate size of such a multiplier. Along with our partners at the Institute of International Education and Indiana University, we are committed to continuing efforts to improve our data and methodology. By any measure, international education makes a significant contribution to the U.S. economy.

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Texas

Total Number of Foreign Students: 51,823

Part 1: Net Contribution to State Economy by Foreign Students (2007-08)

Contribution from Tuition and Fees to State Economy:	\$620,358,000
Contribution from Living Expenses:	\$787,434,000
Total Contribution by Foreign Students:	\$1,407,792,000
Less U.S. Support of 27.0%	- \$380,595,000
Plus Dependents' Living Expenses:	+ \$28,225,000

Net Contribution to State Economy by Foreign Students and their Families:

\$1,055,421,000

Part 2: Contribution to State Economy by Foreign Students' Dependents (2007-08)

Spouses' Contribution

Percent of Married Students:	9.8%
Percent of Spouses in the U.S.:	85.0%
Number of Spouses in the U.S.:	5,072
Additional Expenses for a Spouse: (% of student living expenses)	25.0%
Spouses' Contribution:	\$19,088,000

Children's Contribution

Number of Couples in the U.S.:	5,072
Number of Children per Couple:	0.6
Number of Children in the U.S.:	3,027
Additional Expenses for a Child: (% of student living expenses)	20.0%
Children's Contribution:	\$9,136,000

Net Contribution to State Economy by Foreign Students' Dependents:

\$28,225,000

Part 3: Foreign Student Contribution from Tuition/Fees and Living Expenses (2007-08)

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Abilene Christian University, Abilene	227	\$3,835.1	\$3,485.7	\$869.9	\$6,450.9
Alvin Community College, Alvin	***	\$29.2	\$130.5	\$5.4	\$154.2
American College of Acupuncture and Oriental Medicine, Houston	***	\$51.7	\$51.2	\$1.4	\$101.5
Angelo State University, San Angelo	64	\$705.0	\$852.6	\$195.0	\$1,362.6
Austin College, Sherman	24	\$598.7	\$448.1	\$486.6	\$560.2
Austin Community College, Austin	565	\$4,792.8	\$11,181.7	\$589.5	\$15,385.0
Austin Presbyterian Theological Seminary, Austin	***	\$50.6	\$106.0	\$48.0	\$108.6
Baylor College of Dentistry, Dallas	21	\$355.7	\$402.0	\$492.0	\$265.8
Baylor College of Medicine, Houston	211	\$3,504.1	\$3,566.1	\$4,794.4	\$2,275.9
Baylor University, Waco	434	\$10,628.7	\$8,004.7	\$5,383.7	\$13,249.6
Blinn College, Brenham	183	\$892.1	\$2,524.9	\$115.4	\$3,301.6
Brazosport College, Lake Jackson	***	\$23.3	\$114.2	\$4.6	\$132.9
Brookhaven College, Farmers Branch	624	\$1,661.5	\$9,980.9	\$391.7	\$11,250.6

Central Texas College, Killeen	167	\$1,028.8	\$1,758.1	\$94.4	\$2,692.5
Cisco Junior College, Cisco	32	\$63.9	\$512.9	\$19.3	\$557.5
Clarendon College, Clarendon	10	\$34.2	\$125.5	\$5.5	\$154.2
Coastal Bend College, Beeville	12	\$38.1	\$195.7	\$8.7	\$225.1
Collin County Community College District, McKinney	660	\$2,160.8	\$9,189.2	\$407.9	\$10,942.1
Dallas Baptist University, Dallas	542	\$6,370.6	\$6,625.7	\$1,675.1	\$11,321.1
Dallas Theological Seminary, Dallas	114	\$1,102.4	\$2,182.3	\$1,066.6	\$2,218.1
Del Mar College, Corpus Christi	63	\$301.9	\$688.6	\$36.6	\$953.9
DeVry University - Houston, Houston	22	\$377.5	\$395.4	\$7.5	\$765.4
DeVry University - Irving, Irving	23	\$304.1	\$434.5	\$122.9	\$615.6
East Texas Baptist University, Marshall	23	\$293.6	\$214.5	\$109.1	\$399.0
Eastfield College, Mesquite	15	\$48.3	\$232.4	\$10.3	\$270.4
El Centro College, Dallas	140	\$386.4	\$2,709.8	\$101.7	\$2,994.5
El Paso Community College, El Paso	591	\$1,051.7	\$6,380.8	\$250.1	\$7,182.4
Episcopal Theological Seminary Southwest, Austin	***	\$20.2	\$40.4	\$19.2	\$41.4
Galveston College, Galveston	19	\$44.0	\$314.0	\$13.2	\$344.7
Graduate Institute of Applied Linguistics, Dallas	***	\$18.0	\$57.0	\$0.8	\$74.2
Grayson County College, Denison	180	\$551.2	\$2,928.5	\$128.1	\$3,351.5
Hardin-Simmons University, Abilene	19	\$308.9	\$213.9	\$66.2	\$456.5
Hill College, Hillsboro	35	\$79.9	\$561.9	\$21.7	\$620.1
Houston Baptist University, Houston	142	\$2,515.7	\$1,628.3	\$520.8	\$3,623.2
Houston Community College System, Houston	4241	\$12,895.1	\$72,146.5	\$2,542.5	\$82,499.0
Howard College, Big Spring	14	\$37.4	\$178.8	\$7.9	\$208.3
Jacksonville College, Jacksonville	10	\$65.2	\$163.1	\$7.9	\$220.3
Jarvis Christian College, Hawkins	***	\$8.2	\$11.7	\$10.1	\$9.8
Kilgore College, Kilgore	124	\$439.2	\$1,520.3	\$66.3	\$1,893.2
Lamar University, Beaumont	429	\$4,353.7	\$5,556.5	\$1,251.1	\$8,659.1
Laredo Community College, Laredo	154	\$545.2	\$2,448.2	\$110.2	\$2,883.1
Lee College, Baytown	46	\$112.2	\$745.4	\$31.5	\$826.1
LeTourneau University, Longview	53	\$937.8	\$878.6	\$225.0	\$1,591.4
Lubbock Christian University, Lubbock	18	\$242.9	\$193.0	\$82.6	\$353.4
McLennan Community College, Waco	29	\$87.0	\$523.6	\$22.5	\$588.2
Midland College, Midland	64	\$172.1	\$729.7	\$33.3	\$868.5
Midwestern State University, Wichita Falls	362	\$4,382.5	\$4,261.2	\$1,002.3	\$7,641.4
Navarro College, Corsicana	129	\$399.2	\$1,288.5	\$62.2	\$1,625.5
North Central Texas College, Gainesville	81	\$281.9	\$1,043.2	\$48.8	\$1,276.2
North Harris Montgomery Community College, The Woodlands	1844	\$4,514.1	\$30,501.9	\$1,289.3	\$33,726.7
North Lake College, Irving	800	\$2,601.3	\$13,756.4	\$602.6	\$15,755.1
Oblate School of Theology, San Antonio	51	\$558.3	\$985.0	\$545.6	\$997.6
Odessa College, Odessa	17	\$37.2	\$201.6	\$8.8	\$230.1
Palo Alto College, San Antonio	10	\$57.4	\$183.3	\$9.0	\$231.6
Panola College, Carthage	14	\$33.9	\$210.4	\$9.0	\$235.4
Paris Junior College, Paris	15	\$41.2	\$248.7	\$10.7	\$279.3
Prairie View A&M University, Prairie View	167	\$2,157.9	\$2,365.2	\$572.1	\$3,951.0
Ranger College, Ranger	***	\$3.9	\$32.6	\$1.4	\$35.2

Rice University, Houston	965	\$24,622.8	\$20,589.4	\$20,901.6	\$24,310.5
Richland College, Dallas	966	\$3,225.8	\$18,050.4	\$744.8	\$20,531.4
Saint Edward's University, Austin	116	\$1,987.4	\$1,819.4	\$480.7	\$3,326.1
Sam Houston State University, Huntsville	296	\$3,444.7	\$4,218.0	\$975.1	\$6,687.5
San Antonio College, San Antonio	225	\$1,003.7	\$3,976.6	\$183.6	\$4,796.6
San Jacinto College - North Campus, Houston	47	\$269.3	\$780.5	\$35.7	\$1,014.1
Schreiner University, Kerrville	***	\$119.1	\$129.9	\$61.3	\$187.6
Southern Methodist University, Dallas	948	\$23,592.3	\$18,426.4	\$9,559.8	\$32,458.9
Southwest Texas Junior College, Uvalde	58	\$126.8	\$928.8	\$35.4	\$1,020.3
Southwestern Adventist University, Keene	97	\$1,314.1	\$1,424.3	\$655.2	\$2,083.2
Southwestern Baptist Theological Seminary, Fort Worth	455	\$4,399.6	\$8,280.3	\$4,108.1	\$8,571.8
Southwestern University, Georgetown	***	\$180.2	\$139.3	\$107.0	\$212.4
St. Mary's University, San Antonio	132	\$2,838.0	\$2,012.0	\$629.3	\$4,220.7
St. Philip's College, San Antonio	26	\$134.7	\$448.0	\$21.4	\$561.3
Stephen F. Austin State University, Nacogdoches	187	\$2,479.8	\$2,883.1	\$663.0	\$4,700.0
Sul Ross State University, Alpine	16	\$209.4	\$231.2	\$57.7	\$382.9
Tarrant County Junior College, Fort Worth	166	\$576.0	\$2,929.2	\$118.3	\$3,386.9
Texarkana College, Texarkana	15	\$36.0	\$169.6	\$7.6	\$198.1
Texas A&M International University, Laredo	310	\$3,866.2	\$4,653.6	\$984.6	\$7,535.2
Texas A&M University - Commerce, Commerce	576	\$6,935.0	\$7,766.4	\$3,978.2	\$10,723.2
Texas A&M University - Corpus Christi, Corpus Christi	227	\$2,851.9	\$2,745.2	\$702.8	\$4,894.3
Texas A&M University - Galveston, College Station	10	\$139.0	\$114.5	\$59.9	\$193.6
Texas A&M University - Kingsville, Kingsville	552	\$5,517.9	\$8,463.2	\$3,108.6	\$10,872.6
Texas A&M University - Texarkana, Texarkana	***	\$67.6	\$77.9	\$16.6	\$128.8
Texas A&M University, College Station	4094	\$47,479.5	\$73,534.4	\$57,055.6	\$63,958.3
Texas Christian University, Fort Worth	461	\$11,464.1	\$8,696.8	\$3,750.5	\$16,410.4
Texas Lutheran University, Seguin	10	\$200.6	\$137.8	\$165.3	\$173.1
Texas Southern University, Houston	415	\$5,293.4	\$6,264.5	\$1,336.2	\$10,221.7
Texas State Technical College - Harlingen, Harlingen	18	\$134.8	\$297.7	\$16.0	\$416.5
Texas State Technical College - Waco, Waco	***	\$41.9	\$124.5	\$6.2	\$160.1
Texas State Technical College - West Texas, Sweetwater	***	\$6.2	\$13.7	\$0.7	\$19.2
Texas State University - San Marcos, San Marcos	487	\$4,649.3	\$5,677.0	\$1,317.7	\$9,008.6
Texas Tech University, Lubbock	1393	\$18,389.6	\$22,523.0	\$16,313.9	\$24,598.6
Texas Wesleyan University, Fort Worth	42	\$552.1	\$556.9	\$139.2	\$969.8
Texas Woman's University, Denton	373	\$5,252.6	\$5,039.0	\$2,428.5	\$7,863.1
Trinity Valley Community College, Athens	18	\$43.2	\$239.3	\$10.4	\$272.1
Tyler Junior College, Tyler	82	\$271.4	\$1,330.9	\$53.6	\$1,548.6
University of Dallas, Irving	365	\$7,794.4	\$6,330.9	\$1,742.9	\$12,382.4
University of Houston - Clear Lake, Houston	529	\$6,844.4	\$8,139.0	\$1,892.7	\$13,090.7
University of Houston - Downtown, Houston	339	\$4,298.4	\$6,378.7	\$2,265.1	\$8,412.0
University of Houston - Victoria, Victoria	85	\$637.2	\$1,234.7	\$245.7	\$1,626.1
University of Houston, Houston	3420	\$47,122.1	\$49,010.4	\$29,101.5	\$67,031.0
University of Mary Hardin-Baylor, Belton	28	\$479.5	\$302.0	\$145.9	\$635.6
University of North Texas, Denton	2241	\$29,364.0	\$27,035.0	\$16,029.6	\$40,369.4

University of St. Thomas, Houston	263	\$4,233.6	\$4,034.8	\$1,082.8	\$7,185.6
University of Texas - Arlington, Arlington	2989	\$28,914.7	\$33,921.9	\$19,444.0	\$43,392.6
University of Texas - Austin, Austin	5550	\$117,811.2	\$101,627.2	\$86,159.2	\$133,279.2
University of Texas - Dallas, Richardson	2441	\$27,030.7	\$33,094.2	\$23,724.8	\$36,400.1
University of Texas - El Paso, El Paso	2291	\$31,959.5	\$25,893.3	\$12,388.5	\$45,464.3
University of Texas - Pan American, Edinburg	988	\$10,401.9	\$11,645.2	\$2,824.8	\$19,222.2
University of Texas - Permian Basin, Odessa	***	\$52.9	\$58.4	\$14.1	\$97.2
University of Texas - San Antonio, San Antonio	1079	\$14,912.1	\$19,941.0	\$4,468.0	\$30,385.1
University of Texas at Brownsville and Texas Southmost College, Brownsville	534	\$5,251.9	\$9,174.7	\$1,663.0	\$12,763.6
University of Texas Health Science Center - Houston, Houston	446	\$7,203.9	\$7,308.2	\$9,066.7	\$5,445.4
University of Texas Health Science Center - San Antonio, San Antonio	170	\$2,757.1	\$2,997.1	\$3,505.5	\$2,248.7
University of Texas Medical Branch - Galveston, Galveston	96	\$1,012.2	\$1,648.9	\$1,556.1	\$1,105.1
University of Texas Southwestern Medical Center - Dallas, Dallas	210	\$2,351.3	\$4,059.5	\$4,162.8	\$2,248.0
University of the Incarnate Word, San Antonio	225	\$3,678.6	\$3,152.8	\$859.0	\$5,972.4
Victoria College, Victoria	***	\$12.5	\$97.9	\$4.1	\$106.3
Wayland Baptist University, Plainview	20	\$192.5	\$254.7	\$51.9	\$395.2
Weatherford College, Weatherford	54	\$182.0	\$837.2	\$34.5	\$984.6
West Texas A&M University, Canyon	242	\$2,890.7	\$2,932.0	\$736.9	\$5,085.8
Western Texas College, Snyder	20	\$37.9	\$330.3	\$13.6	\$354.6
Wharton County Junior College, Wharton	***	\$22.2	\$114.2	\$4.6	\$131.8

Methodology: How We Compute Economic Impact (2008)

We define economic impact as the amount of money that foreign students collectively bring into the United States to pay for their education and to support themselves while they (and in some cases, their families) are here. The goal of our economic impact formula is to use data already collected for other purposes to provide a reasonable estimate of the economic resources that foreign students import to the United States to support their education here each year.

The data sets used for these reports come from two sources:

1. The Institute of International Education's *Open Doors 2008* report, funded by the Department of State, provides numbers of foreign students at universities and colleges throughout the United States during the 2007-08 academic year. In many cases, this data provide separate totals for undergraduate, graduate, and non degree students. (<http://opendoors.iienetwork.org>)
2. Peterson's provides cost figures for tuition, living, and miscellaneous expenses at U.S. institutions for the 2007-08 academic year. (<http://www.petersons.com/>)

The extensive data provided by these two sources (which collect it directly from surveys of the institutions involved) allow us to make our estimates sensitive to differences between institutions. However, there are still areas where our estimates and formulas could be improved. For example, we compute economic impact only for students reported in *Open Doors*. Universities that do not provide information to the Institute of International Education are not represented. Also, enrollment reports represent peak enrollment, and not necessarily enrollment levels throughout the year.

Estimating Expenses

Tuition, fees, living expenses, and dollar estimates are derived from Peterson's data collected on surveys completed by institutions every year. We try to make our calculations sensitive not only to differing costs at institutions, but differing costs for ESL students, undergraduates, graduate students, and students on practical training.

(1) Undergraduates and English Language Programs:

The number of undergraduate students at an institution is specified by *Open Doors* data. Peterson's data provide undergraduate tuition and fee amounts, on-campus room and board amounts, and miscellaneous expenses. These categories are sometimes broken down into averages for international, out-of-state, flat rate, and in-state, students. When multiple averages are available, we choose averages in the order given above.

(2) Graduate Students:

The number of graduate students at an institution is specified by *Open Doors* data. Peterson's data provide graduate tuition and fee amounts, on-campus room and board amounts, and miscellaneous expenses. If there are no differentiated graduate expenses provided by an institution in the Peterson's data, then the undergraduate expenses would be applied.

(3) Students on Practical Training:

We assume these students earn enough in their U.S. jobs to pay living and educational expenses for the year, and so import no funds for their support. Therefore, net economic impact of students in practical training is zero.

Economic impact of an international student equals tuition and fees, plus room and board, plus miscellaneous figured at 50 percent of room and board, less U.S. support. We assume: (a) that spring enrollment figures are the same as the fall figures reported, (b) that all students are enrolled full time for two semesters or three quarters a year, and (c) that students live on campus for the full year. The miscellaneous expenses, enumerated in Peterson's data, average about 40 percent of room and board expenses. We use a 50 percent figure as an approximation that includes all extra expenses except for travel.

Estimating U.S. Support

The *Open Doors* survey asks schools to report the percentage of their students who are self-funded, the percentage who have U.S. source income, etc. The U.S. support percentage includes funding from a U.S. college or university, the U.S. Government, a U.S. private sponsor or current employment. For this analysis the percentages are calculated based upon the institution's Carnegie classification and the academic career of the student. For example, this process will differentiate the level of support between undergraduates and graduates at a particular research institution while it also differentiates between a baccalaureate classified institution from an associate's classified institution.

Individual Institution Enrollment Figures

For institutions with fewer than 10 international students enrolled, enrollment totals are suppressed for confidentiality reasons. In the reports, this is indicated by three asterisks (***)