

**The Economic Benefits of International Education to the
United States for the 2008-2009 Academic Year:
A Statistical Analysis**

NAFSA estimates that foreign students and their dependents contributed approximately \$17.6 billion to the U.S. economy during the 2008-2009 academic year. This conservative figure is based on tuition figures from Wintergreen Orchard House, enrollment figures from the Institute of International Education's *Open Doors 2009* report, living expenses calculated from Wintergreen Orchard House 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.

Texas

Total Number of Foreign Students: 58,188

Part 1: Net Contribution to State Economy by Foreign Students (2008-09)

Contribution from Tuition and Fees to State Economy:	\$740,247,000
Contribution from Living Expenses:	\$876,981,000
Total Contribution by Foreign Students:	\$1,617,228,000
Less U.S. Support of 26.3%	- \$424,696,000
Plus Dependents' Living Expenses:	+ \$30,357,000

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

\$1,222,889,000

Part 2: Contribution to State Economy by Foreign Students' Dependents (2008-09)

<i>Spouses' Contribution</i>		<i>Children's Contribution</i>	
Percent of Married Students:	9.4%	Number of Couples in the U.S.:	5,453
Percent of Spouses in the U.S.:	85.0%	Number of Children per Couple:	0.6
Number of Spouses in the U.S.:	5,453	Number of Children in the U.S.:	3,271
Additional Expenses for a Spouse: (% of student living expenses)	25.0%	Additional Expenses for a Child: (% of student living expenses)	20.0%
Spouses' Contribution:	\$20,507,000	Children's Contribution:	\$9,849,000

Net Contribution to State Economy by Foreign Students' Dependents:

\$30,357,000

Part 3: Foreign Student Contribution from Tuition/Fees and Living Expenses (2008-09)

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
East Texas Baptist University, Marshall	20	\$269.3	\$177.9	\$105.3	\$341.9
Kilgore College, Kilgore	126	\$450.2	\$1,557.7	\$73.1	\$1,934.8
LeTourneau University, Longview	57	\$979.0	\$874.5	\$267.3	\$1,586.2
Panola College, Carthage	16	\$38.8	\$239.9	\$9.8	\$269.0
Stephen F. Austin State University, Nacogdoches	204	\$2,775.0	\$3,106.8	\$736.1	\$5,145.7
Tyler Junior College, Tyler	85	\$281.5	\$1,369.2	\$60.2	\$1,590.5

Congressional District: 01 | Louie Gohmert (R)

\$10,868.1

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Lamar University, Beaumont	436	\$5,185.2	\$5,583.6	\$1,360.1	\$9,408.7

Congressional District: 02 Ted Poe (R)					\$9,408.7
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Collin County Community College District, McKinney	528	\$1,728.7	\$7,330.7	\$318.4	\$8,740.9
Richland College, Dallas	1258	\$4,257.3	\$23,782.7	\$1,021.5	\$27,018.5
Congressional District: 03 Sam Johnson (R)					\$35,759.4
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Austin College, Sherman	32	\$813.4	\$581.2	\$579.1	\$815.4
Grayson County College, Denison	195	\$592.0	\$3,140.5	\$135.9	\$3,596.6
Paris Junior College, Paris	16	\$47.2	\$261.0	\$11.2	\$296.9
Texarkana College, Texarkana	16	\$42.0	\$183.1	\$8.3	\$216.8
Texas A&M University - Commerce, Commerce	615	\$7,644.3	\$8,114.2	\$2,508.5	\$13,250.0
Texas A&M University - Texarkana, Texarkana	***	\$67.6	\$77.9	\$21.9	\$123.5
Congressional District: 04 Ralph M. Hall (R)					\$18,299.3
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Eastfield College, Mesquite	11	\$38.0	\$179.4	\$7.7	\$209.7
Jacksonville College, Jacksonville	***	\$52.1	\$130.5	\$6.5	\$176.1
Jarvis Christian College, Hawkins	***	\$17.2	\$23.4	\$17.9	\$22.8
Trinity Valley Community College, Athens	17	\$40.8	\$226.2	\$9.4	\$257.6
Congressional District: 05 Jeb Hensarling (R)					\$666.2
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Navarro College, Corsicana	155	\$478.4	\$1,540.5	\$70.9	\$1,947.9
Southwestern Assemblies of God University, Waxahachie	19	\$231.3	\$300.9	\$123.0	\$409.2
University of Texas - Arlington, Arlington	3182	\$45,809.5	\$39,729.6	\$25,941.1	\$59,598.1
Congressional District: 06 Joe Barton (R)					\$61,955.2
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
American College of Acupuncture and Oriental Medicine, Houston	***	\$86.1	\$85.4	\$1.7	\$169.8
Baylor College of Medicine, Houston	235	\$4,264.2	\$3,539.6	\$5,324.4	\$2,479.5

Rice University, Houston	1084	\$29,790.9	\$22,857.9	\$23,331.6	\$29,317.2
University of St. Thomas, Houston	265	\$4,609.8	\$4,197.1	\$1,129.2	\$7,677.8
Congressional District: 07 John Culberson (R)					\$39,644.2
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Lone Star College System, The Woodlands	2174	\$5,322.0	\$35,891.5	\$1,446.0	\$39,767.4
Sam Houston State University, Huntsville	324	\$3,880.2	\$4,230.8	\$1,022.0	\$7,089.1
Congressional District: 08 Kevin Brady (R)					\$46,856.5
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Houston Baptist University, Houston	124	\$2,240.9	\$1,402.6	\$524.8	\$3,118.8
University of Texas Health Science Center - Houston, Houston	429	\$8,355.5	\$7,120.3	\$9,887.1	\$5,588.7
Congressional District: 09 Al Green (D)					\$8,707.4
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Blinn College, Brenham	139	\$680.4	\$1,919.6	\$94.8	\$2,505.2
Prairie View A&M University, Prairie View	149	\$2,169.1	\$2,358.1	\$592.5	\$3,934.7
Congressional District: 10 Michael T. McCaul (R)					\$6,439.9
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Angelo State University, San Angelo	62	\$659.2	\$772.0	\$185.6	\$1,245.7
Midland College, Midland	102	\$341.1	\$1,240.1	\$55.6	\$1,525.6
Odessa College, Odessa	17	\$31.1	\$190.0	\$7.7	\$213.3
Texas State Technical College - West Texas, Sweetwater	***	\$6.2	\$13.7	\$0.7	\$19.2
University of Texas - Permian Basin, Odessa	***	\$58.2	\$58.4	\$17.1	\$99.6
Western Texas College, Snyder	36	\$68.3	\$594.5	\$23.2	\$639.5
Congressional District: 11 K. Michael Conaway (R)					\$3,742.9
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Southwestern Baptist Theological Seminary, Fort Worth	510	\$4,804.1	\$9,076.8	\$4,548.6	\$9,332.4
Tarrant County Junior College, Fort Worth	171	\$597.6	\$3,032.8	\$132.2	\$3,498.2
Texas Christian University, Fort Worth	478	\$12,667.2	\$9,005.9	\$2,795.2	\$18,878.0

Weatherford College, Weatherford	62	\$210.0	\$960.6	\$42.7	\$1,127.9
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Congressional District: 12 | Kay Granger (R) \$32,836.4

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Clarendon College, Clarendon	***	\$30.8	\$113.0	\$5.1	\$138.6
Midwestern State University, Wichita Falls	464	\$5,394.0	\$5,490.0	\$1,623.4	\$9,260.6
West Texas A&M University, Canyon	241	\$3,183.0	\$2,924.8	\$750.6	\$5,357.1

Congressional District: 13 | Mac Thornberry (R) \$14,756.4

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Alvin Community College, Alvin	15	\$45.8	\$244.6	\$10.3	\$280.1
Brazosport College, Lake Jackson	***	\$13.3	\$65.2	\$2.8	\$75.8
Galveston College, Galveston	19	\$54.3	\$297.7	\$12.9	\$339.1
Texas A&M University - Galveston, College Station	***	\$133.5	\$106.4	\$56.2	\$183.7
University of Houston - Victoria, Victoria	106	\$858.4	\$1,551.1	\$309.8	\$2,099.6
University of Texas Medical Branch - Galveston, Galveston	92	\$1,583.7	\$1,583.7	\$2,017.4	\$1,150.0
Victoria College, Victoria	***	\$16.4	\$97.9	\$4.4	\$109.9
Wharton County Junior College, Wharton	***	\$22.2	\$114.2	\$5.1	\$131.2

Congressional District: 14 | Ron Paul (R) \$4,369.4

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Coastal Bend College, Beeville	12	\$38.1	\$195.7	\$8.3	\$225.5
Texas State Technical College - Harlingen, Harlingen	21	\$157.3	\$346.6	\$17.7	\$486.2
University of Texas - Pan American, Edinburg	960	\$9,831.0	\$10,996.3	\$2,737.5	\$18,089.9

Congressional District: 15 | Rubén Hinojosa (D) \$18,801.5

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
El Paso Community College, El Paso	466	\$850.5	\$5,165.2	\$236.2	\$5,779.6
University of Texas - El Paso, El Paso	2078	\$28,988.1	\$23,501.7	\$11,242.6	\$41,247.2

Congressional District: 16 | Silvestre Reyes (D) \$47,026.7

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
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Baylor University, Waco	417	\$11,130.2	\$7,685.5	\$5,097.7	\$13,718.0
Hill College, Hillsboro	37	\$84.6	\$594.5	\$24.6	\$654.5
McLennan Community College, Waco	34	\$96.0	\$577.0	\$23.6	\$649.4
Southwestern Adventist University, Keene	110	\$1,474.0	\$1,545.7	\$744.6	\$2,275.1
Texas A&M University, College Station	4558	\$77,301.9	\$80,875.3	\$75,706.2	\$82,471.0
Texas State Technical College - Waco, Waco	***	\$41.9	\$124.5	\$5.9	\$160.4

Congressional District: 17 | Chet Edwards (D) \$99,928.4

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Houston Community College System, Houston	5580	\$18,697.4	\$95,087.1	\$4,064.7	\$109,719.8
Texas Southern University, Houston	423	\$4,935.0	\$6,414.0	\$1,672.1	\$9,676.9
University of Houston - Downtown, Houston	362	\$4,650.3	\$6,637.7	\$2,694.5	\$8,593.5
University of Houston, Houston	3778	\$56,460.1	\$51,933.0	\$31,849.5	\$76,543.6

Congressional District: 18 | Sheila JacksonLee (D) \$204,533.8

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	206	\$3,484.2	\$2,867.6	\$853.0	\$5,498.7
Cisco Junior College, Cisco	35	\$70.1	\$561.9	\$22.9	\$609.0
Hardin-Simmons University, Abilene	24	\$430.2	\$269.4	\$89.1	\$610.6
Howard College, Big Spring	13	\$32.1	\$150.6	\$6.5	\$176.2
Lubbock Christian University, Lubbock	11	\$165.1	\$123.4	\$56.8	\$231.8
Ranger College, Ranger	***	\$7.8	\$65.2	\$2.6	\$70.5
South Plains College, Levelland	50	\$94.1	\$810.6	\$31.7	\$873.0
Texas Tech University, Lubbock	1616	\$25,526.8	\$26,593.2	\$19,609.2	\$32,510.8
Wayland Baptist University, Plainview	21	\$232.1	\$270.6	\$72.6	\$430.0

Congressional District: 19 | Randy Neugebauer (R) \$41,010.6

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Oblate School of Theology, San Antonio	43	\$466.2	\$811.8	\$451.0	\$827.0
Our Lady of Lake University, San Antonio	30	\$521.8	\$491.7	\$109.6	\$903.9
San Antonio College, San Antonio	275	\$1,252.2	\$4,952.4	\$217.9	\$5,986.7
St. Mary's University, San Antonio	128	\$2,872.1	\$1,941.7	\$625.7	\$4,188.2
University of Texas Health Science Center - San Antonio, San Antonio	182	\$3,077.2	\$3,344.3	\$3,768.2	\$2,653.4
University of the Incarnate Word, San Antonio	263	\$4,939.2	\$4,002.0	\$1,122.9	\$7,818.3

Congressional District: 20 | Charlie A. Gonzalez (D) \$22,377.4

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Austin Presbyterian Theological Seminary, Austin	***	\$70.8	\$150.4	\$71.4	\$149.8
Schreiner University, Kerrville	***	\$122.5	\$130.8	\$64.3	\$189.0
St. Philip's College, San Antonio	27	\$157.6	\$484.7	\$22.5	\$619.8
University of Texas - Austin, Austin	5703	\$126,268.0	\$106,242.6	\$90,396.4	\$142,114.2

Congressional District: 21 | Lamar Smith (R) **\$143,072.8**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
College of the Mainland, Texas City	14	\$83.8	\$228.3	\$11.1	\$301.0
San Jacinto College - Central Campus, Pasadena	660	\$3,781.7	\$10,447.3	\$514.9	\$13,714.1
University of Houston - Clear Lake, Houston	673	\$8,962.7	\$11,737.2	\$2,684.0	\$18,016.0

Congressional District: 22 | Pete Olson (R) **\$32,031.1**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Palo Alto College, San Antonio	11	\$63.3	\$199.6	\$9.6	\$253.3
Southwest Texas Junior College, Uvalde	59	\$129.1	\$941.1	\$39.1	\$1,031.1
Sul Ross State University, Alpine	21	\$237.5	\$272.7	\$66.7	\$443.5
University of Texas - San Antonio, San Antonio	1080	\$14,752.0	\$19,172.9	\$4,344.0	\$29,580.8

Congressional District: 23 | Ciro Rodriguez (D) **\$31,308.6**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Brookhaven College, Farmers Branch	657	\$1,769.6	\$10,581.8	\$451.9	\$11,899.6
Dallas Baptist University, Dallas	634	\$8,634.4	\$7,490.7	\$2,115.6	\$14,009.5
Graduate Institute of Applied Linguistics, Dallas	***	\$12.0	\$38.0	\$16.5	\$33.5
North Lake College, Irving	1082	\$3,484.5	\$18,390.7	\$767.8	\$21,107.4
Northwood University - Texas Campus, Cedar Hill	21	\$342.5	\$300.9	\$26.0	\$617.4

Congressional District: 24 | Kenny Marchant (R) **\$47,667.3**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Austin Community College, Austin	423	\$3,504.8	\$8,270.3	\$426.4	\$11,348.7
Episcopal Theological Seminary Southwest, Austin	***	\$20.2	\$40.4	\$20.4	\$40.2
Saint Edward's University, Austin	128	\$2,607.1	\$2,078.6	\$612.1	\$4,073.6
Texas State University - San Marcos, San Marcos	467	\$5,704.2	\$5,910.9	\$1,486.6	\$10,128.5

Congressional District: 25 | Lloyd Doggett (D) **\$25,590.9**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
DeVry University campuses in Texas, Irving	57	\$341.1	\$941.1	\$45.1	\$1,237.1
North Central Texas College, Gainesville	90	\$322.6	\$1,157.5	\$52.0	\$1,428.1
Texas Wesleyan University, Fort Worth	48	\$602.9	\$573.0	\$179.8	\$996.0
Texas Woman's University, Denton	374	\$5,561.8	\$5,047.0	\$1,780.1	\$8,828.7
University of North Texas, Denton	2426	\$33,899.8	\$29,420.8	\$16,703.0	\$46,617.6

Congressional District: 26 | Michael Burgess (R) **\$59,107.4**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Del Mar College, Corpus Christi	53	\$190.6	\$548.1	\$25.9	\$712.8
Texas A&M University - Corpus Christi, Corpus Christi	335	\$3,549.9	\$3,465.9	\$917.6	\$6,098.2
Texas A&M University - Kingsville, Kingsville	1060	\$8,156.7	\$11,556.3	\$3,654.3	\$16,058.8
University of Texas at Brownsville and Texas Southmost College, Brownsville	494	\$5,291.6	\$8,518.4	\$2,004.0	\$11,805.9

Congressional District: 27 | Solomon P. Ortiz (D) **\$34,675.7**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Laredo Community College, Laredo	152	\$589.6	\$2,401.5	\$112.4	\$2,878.8
Texas A&M International University, Laredo	316	\$3,985.3	\$4,752.3	\$1,275.9	\$7,461.7
Texas Lutheran University, Seguin	16	\$336.9	\$225.0	\$245.7	\$316.2

Congressional District: 28 | Henry Cuellar (D) **\$10,656.6**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Lee College, Baytown	52	\$124.7	\$826.9	\$33.3	\$918.3
San Jacinto College - North Campus, Houston	56	\$329.1	\$951.3	\$46.6	\$1,233.8

Congressional District: 29 | Gene Green (D) **\$2,152.1**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Baylor College of Dentistry, Dallas	22	\$373.5	\$421.1	\$521.3	\$273.3
Dallas Theological Seminary, Dallas	111	\$1,031.6	\$2,057.8	\$1,000.6	\$2,088.8
El Centro College, Dallas	134	\$369.8	\$2,577.7	\$103.4	\$2,844.1

University of Texas Southwestern Medical Center - Dallas, Dallas	179	\$2,985.5	\$3,244.9	\$4,160.3	\$2,070.1
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Congressional District: 30 | EddieBernice Johnson (D) \$7,276.2

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Central Texas College, Killeen	175	\$1,086.3	\$1,852.1	\$107.2	\$2,831.2
Southwestern University, Georgetown	10	\$273.4	\$192.1	\$164.8	\$300.7
University of Mary Hardin-Baylor, Belton	46	\$888.0	\$513.7	\$264.1	\$1,137.6

Congressional District: 31 | John Carter (R) \$4,269.5

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Southern Methodist University, Dallas	1024	\$27,468.3	\$19,784.5	\$7,639.2	\$39,613.6
University of Dallas, Irving	415	\$8,878.1	\$6,725.7	\$1,834.8	\$13,769.0
University of Texas - Dallas, Richardson	2770	\$30,977.7	\$37,889.2	\$25,157.6	\$43,709.3

Congressional District: 32 | Pete Sessions (R) \$97,091.9

Methodology: How We Compute Economic Impact (2009)

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 2009* 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. Wintergreen Orchard House provides cost figures for tuition, living, and miscellaneous expenses at U.S. institutions for the 2008-09 academic year (<http://www.wintergreenorchardhouse.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 Wintergreen Orchard House'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. Wintergreen Orchard House'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. Wintergreen Orchard Houses' 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 Wintergreen Orchard House'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 Wintergreen Orchard House'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 that 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 (***)