



The Economic Benefits of International Students to the U.S. Economy Academic Year 2011-2012

NAFSA: Association of International Educators estimates that international students and their dependents contributed approximately \$21.81 billion to the U.S. economy during the 2011-2012 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 2012* report, living expenses calculated from Wintergreen Orchard House figures, and overall analysis of the data by Jason Baumgartner, Director for Information Services at Indiana University – Bloomington's Office of International Services.

NAFSA's annual economic impact analysis estimates the economic contribution international students bring to the United States to support their education. The 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. NAFSA and its partners 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: 61,511

Part 1: Net Contribution to State Economy by Foreign Students (2011-12)

Contribution from Tuition and Fees to State Economy:	\$886,513,000
Contribution from Living Expenses:	\$953,672,000
Total Contribution by Foreign Students:	\$1,840,185,000
Less U.S. Support of 27.8%	- \$510,840,000
Plus Dependents' Living Expenses:	+ \$26,193,000

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

\$1,355,538,000

Part 2: Contribution to State Economy by Foreign Students' Dependents (2011-12)

<i>Spouses' Contribution</i>		<i>Children's Contribution</i>	
Percent of Married Students:	7.7%	Number of Couples in the U.S.:	4,736
Percent of Spouses in the U.S.:	85.0%	Number of Children per Couple:	0.6
Number of Spouses in the U.S.:	4,736	Number of Children in the U.S.:	2,833
Additional Expenses for a Spouse: (% of student living expenses)	25.0%	Additional Expenses for a Child: (% of student living expenses)	20.0%
Spouses' Contribution:	\$17,710,000	Children's Contribution:	\$8,483,000

Net Contribution to State Economy by Foreign Students' Dependents:

\$26,193,000

Part 3: Foreign Student Contribution from Tuition/Fees and Living Expenses (2011-12)

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	23	\$417.5	\$237.5	\$98.3	\$556.8
Jarvis Christian College, Hawkins	***	\$20.6	\$24.2	\$6.7	\$38.1
Kilgore College, Kilgore	83	\$311.4	\$1,100.6	\$77.2	\$1,334.8
Panola College, Carthage	23	\$90.1	\$346.2	\$23.8	\$412.5
Stephen F. Austin State University, Nacogdoches	182	\$2,140.0	\$2,563.7	\$677.0	\$4,026.6

Congressional District: 01 | Louie Gohmert (R)

\$6,368.8

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, Houston	5829	\$21,083.8	\$103,893.6	\$6,843.0	\$118,134.4
University of St. Thomas, Houston	288	\$6,356.0	\$4,954.7	\$1,801.9	\$9,508.8

Congressional District: 02 Ted Poe (R)					\$127,643.2
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Collin College, McKinney	713	\$1,895.1	\$10,400.7	\$671.6	\$11,624.2
Congressional District: 03 Sam Johnson (R)					\$11,624.2
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	16	\$527.7	\$316.5	\$126.6	\$717.5
Grayson County College, Denison	163	\$512.2	\$2,778.5	\$180.1	\$3,110.6
Congressional District: 04 Ralph M. Hall (R)					\$3,828.1
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	12	\$44.0	\$206.3	\$13.8	\$236.5
Jacksonville College, Jacksonville	***	\$57.3	\$154.7	\$11.7	\$200.3
Trinity Valley Community College, Athens	29	\$75.8	\$404.2	\$26.2	\$453.8
Congressional District: 05 Jeb Hensarling (R)					\$890.6
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	172	\$558.6	\$2,816.1	\$184.2	\$3,190.5
Southwestern Assemblies of God University, Waxahachie	20	\$300.4	\$307.6	\$86.9	\$521.0
University of Texas - Arlington, Arlington	3613	\$49,311.2	\$45,440.8	\$31,904.4	\$62,847.6
Congressional District: 06 Joe Barton (R)					\$66,559.1
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	***	\$90.9	\$90.6	\$16.7	\$164.8
Art Institute of Houston, Houston	49	\$869.0	\$701.0	\$143.8	\$1,426.3
Congressional District: 07 John Culberson (R)					\$1,591.1
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, The Woodlands	1957	\$7,957.7	\$33,943.7	\$2,287.7	\$39,613.6

Prairie View A&M University, Prairie View	193	\$2,916.0	\$3,340.3	\$1,012.2	\$5,244.0
Sam Houston State University, Huntsville	411	\$5,040.3	\$5,445.3	\$2,611.5	\$7,874.1
Congressional District: 08 Kevin Brady (R)					\$52,731.7
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 Medicine, Houston	321	\$5,405.2	\$4,729.4	\$2,952.7	\$7,181.9
Houston Baptist University, Houston	132	\$3,396.5	\$1,941.7	\$761.0	\$4,577.2
Rice University, Houston	1475	\$43,390.9	\$31,441.9	\$27,749.4	\$47,083.4
University of Texas Health Science Center - Houston, Houston	593	\$11,845.3	\$10,081.7	\$6,804.4	\$15,122.7
Congressional District: 09 Al Green (D)					\$73,965.2
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	636	\$4,979.2	\$13,259.5	\$996.5	\$17,242.2
Congressional District: 10 Michael T. McCaul (R)					\$17,242.2
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	93	\$1,149.6	\$1,242.1	\$291.4	\$2,100.3
Howard Payne University, Brownwood	***	\$21.4	\$16.2	\$5.6	\$32.0
Odessa College, Odessa	28	\$48.1	\$348.0	\$21.6	\$374.5
Ranger College, Ranger	***	\$5.4	\$51.6	\$3.2	\$53.8
Tarleton State University, Stephenville	124	\$1,491.3	\$1,239.4	\$430.7	\$2,299.9
Congressional District: 11 Michael Conaway (R)					\$4,860.4
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Texas Christian University, Fort Worth	558	\$18,262.3	\$11,258.3	\$5,622.9	\$23,897.7
Weatherford College, Weatherford	49	\$150.7	\$711.3	\$47.0	\$815.0
Congressional District: 12 Kay Granger (R)					\$24,712.7
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	***	\$21.5	\$79.4	\$5.5	\$95.3
Midwestern State University, Wichita Falls	610	\$4,805.5	\$6,218.0	\$1,633.3	\$9,390.2
North Central Texas College, Gainesville	96	\$353.3	\$1,294.1	\$90.1	\$1,557.3
West Texas A&M University, Canyon	260	\$3,722.6	\$3,179.9	\$1,021.2	\$5,881.3

Congressional District: 13 | Mac Thornberry (R) **\$16,924.1**

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	16	\$61.6	\$275.0	\$18.5	\$318.1
Brazosport College, Lake Jackson	***	\$12.6	\$68.8	\$4.5	\$76.9
College of the Mainland, Texas City	46	\$257.6	\$729.6	\$53.9	\$933.4
Galveston College, Galveston	20	\$53.7	\$343.8	\$21.9	\$375.6
Lamar University, Beaumont	486	\$6,040.3	\$7,406.2	\$5,816.9	\$7,629.5
Texas A&M University - Galveston, Galveston	25	\$332.8	\$307.0	\$117.6	\$522.2
University of Texas Medical Branch - Galveston, Galveston	155	\$1,846.9	\$1,825.7	\$1,128.1	\$2,544.4

Congressional District: 14 | Randy Weber, Sr. (R) **\$12,400.2**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Texas Lutheran University, Seguin	16	\$350.1	\$201.9	\$77.5	\$474.5
University of Texas - Pan American, Edinburg	599	\$5,692.5	\$6,491.1	\$1,850.0	\$10,333.6

Congressional District: 15 | Rubén Hinojosa (D) **\$10,808.2**

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	459	\$1,178.6	\$5,403.0	\$367.6	\$6,214.0
University of Texas - El Paso, El Paso	1682	\$28,270.0	\$20,036.0	\$12,378.3	\$35,927.7

Congressional District: 16 | Beto O'Rourke (D) **\$42,141.7**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Baylor University, Waco	550	\$15,668.4	\$10,889.6	\$7,201.8	\$19,356.2
McLennan Community College, Waco	41	\$173.4	\$776.7	\$51.8	\$898.3
Texas A&M University, College Station	5013	\$89,782.1	\$89,793.5	\$77,294.1	\$102,281.5
Texas State Technical College - Waco, Waco	14	\$86.7	\$262.3	\$19.2	\$329.9

Congressional District: 17 | Bill Flores (R) **\$122,865.9**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
University of Houston, Houston	4879	\$68,816.8	\$65,028.2	\$44,798.1	\$89,046.9

Congressional District: 18 | Sheila Jackson Lee (D) **\$89,046.9**

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	226	\$5,309.2	\$3,231.7	\$1,218.4	\$7,322.5
Hardin-Simmons University, Abilene	36	\$736.0	\$440.5	\$175.2	\$1,001.3
Howard College, Big Spring	***	\$16.0	\$92.6	\$6.0	\$102.6
Lubbock Christian University, Lubbock	39	\$644.6	\$470.4	\$163.6	\$951.5
McMurry University, Abilene	40	\$976.6	\$511.7	\$222.4	\$1,265.9
South Plains College, Levelland	58	\$112.5	\$1,004.7	\$61.0	\$1,056.1
Texas Tech University, Lubbock	2149	\$34,448.1	\$33,607.0	\$28,081.7	\$39,973.4
Western Texas College, Snyder	57	\$172.7	\$987.5	\$63.4	\$1,096.8

Congressional District: 19 | Randy Neugebauer (R) \$52,770.2

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Northwest Vista College, San Antonio	34	\$225.0	\$420.6	\$35.3	\$610.3
Oblate School of Theology, San Antonio	43	\$507.4	\$809.9	\$361.5	\$955.8
San Antonio College, San Antonio	331	\$1,371.3	\$5,408.1	\$394.4	\$6,385.0
St. Mary's University, San Antonio	137	\$3,269.7	\$2,390.5	\$806.6	\$4,853.6
University of Texas - San Antonio, San Antonio	1830	\$33,428.4	\$26,513.9	\$16,727.6	\$43,214.6

Congressional District: 20 | Joaquin Castro (D) \$56,019.3

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Saint Edward's University, Austin	234	\$6,865.3	\$4,139.2	\$1,599.5	\$9,405.0
Schreiner University, Kerrville	***	\$87.2	\$77.0	\$24.6	\$139.6
Texas State University - San Marcos, San Marcos	466	\$5,449.0	\$6,334.5	\$1,857.9	\$9,925.6
University of Texas Health Science Center - San Antonio, San Antonio	194	\$3,643.9	\$3,697.6	\$672.2	\$6,669.3
University of the Incarnate Word, San Antonio	363	\$7,057.7	\$5,946.7	\$1,999.8	\$11,004.7

Congressional District: 21 | Lamar Smith (R) \$37,144.1

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	***	\$29.4	\$93.8	\$6.8	\$116.4
Southwest Texas Junior College, Uvalde	66	\$152.4	\$1,120.2	\$69.3	\$1,203.2
Sul Ross State University, Alpine	18	\$161.6	\$207.1	\$57.4	\$311.3

Congressional District: 23 | Pete Gallego (D) \$1,630.9

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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DeVry University - Texas, Irving	124	\$821.1	\$2,186.4	\$494.5	\$2,513.0
North Lake College, Irving	628	\$1,787.1	\$8,892.0	\$584.4	\$10,094.7
University of Dallas, Irving	375	\$8,480.0	\$6,228.2	\$2,232.2	\$12,476.0

Congressional District: 24 | Kenny Marchant (R) \$25,083.6

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	***	\$43.1	\$88.0	\$42.7	\$88.4
Episcopal Theological Seminary Southwest, Austin	***	\$32.4	\$62.1	\$32.0	\$62.4
Hill College, Hillsboro	16	\$51.1	\$275.0	\$17.9	\$308.1
Southwestern Adventist University, Keene	117	\$2,054.2	\$1,713.4	\$562.6	\$3,204.9
University of Texas - Austin, Austin	5324	\$133,090.2	\$101,431.2	\$83,277.8	\$151,243.5

Congressional District: 25 | Roger Williams (R) \$154,907.4

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Texas Woman's University, Denton	306	\$4,680.7	\$4,484.9	\$3,344.3	\$5,821.3
University of North Texas, Denton	2869	\$38,576.9	\$39,477.6	\$24,709.9	\$53,344.5

Congressional District: 26 | Michael Burgess (R) \$59,165.8

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	65	\$266.8	\$737.1	\$54.8	\$949.1
Texas A&M University - Corpus Christi, Corpus Christi	563	\$7,894.9	\$7,226.4	\$1,882.0	\$13,239.2
University of Houston - Victoria, Victoria	164	\$1,402.1	\$2,368.9	\$622.5	\$3,148.6

Congressional District: 27 | Blake Farenthold (R) \$17,336.9

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	110	\$399.2	\$1,834.8	\$121.8	\$2,112.1

Congressional District: 28 | Henry Cuellar (D) \$2,112.1

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	29	\$441.4	\$473.3	\$244.1	\$670.6
Dallas Theological Seminary, Dallas	118	\$1,206.0	\$2,284.4	\$1,131.5	\$2,358.9
El Centro College, Dallas	73	\$124.5	\$864.7	\$53.9	\$935.2
Graduate Institute of Applied Linguistics, Dallas	***	\$37.9	\$100.8	\$38.0	\$100.8

University of Texas Southwestern Medical Center - Dallas, Dallas	229	\$4,180.5	\$4,386.1	\$2,828.5	\$5,738.2
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Congressional District: 30 | Eddie Bernice Johnson (D) \$9,803.7

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Southwestern University, Georgetown	11	\$324.7	\$191.2	\$63.6	\$452.3
University of Mary Hardin-Baylor, Belton	120	\$2,686.2	\$1,423.1	\$686.4	\$3,422.9

Congressional District: 31 | John R. Carter (R) \$3,875.2

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Richland College, Dallas	1203	\$3,903.0	\$21,919.3	\$1,413.6	\$24,408.8
Southern Methodist University, Dallas	1175	\$36,173.6	\$24,820.4	\$20,080.1	\$40,913.9
University of Texas - Dallas, Richardson	4220	\$55,014.0	\$59,771.6	\$48,715.7	\$66,069.8

Congressional District: 32 | Pete Sessions (R) \$131,392.5

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Dallas Baptist University, Dallas	628	\$10,152.2	\$7,522.8	\$2,738.4	\$14,936.6
Mountain View College, Dallas	158	\$1,009.6	\$2,401.1	\$186.3	\$3,224.3
Southwestern Baptist Theological Seminary, Fort Worth	512	\$5,468.1	\$9,595.8	\$1,377.6	\$13,686.2
Texas Wesleyan University, Fort Worth	41	\$491.2	\$628.6	\$105.4	\$1,014.5

Congressional District: 33 | Marc Veasey (D) \$32,861.7

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	\$39.1	\$206.3	\$13.5	\$231.8
Texas A&M University - Kingsville, Kingsville	1131	\$19,138.5	\$17,553.7	\$4,566.5	\$32,125.7
Texas State Technical College - Harlingen, Harlingen	17	\$117.9	\$292.2	\$22.6	\$387.5
University of Texas at Brownsville and Texas Southmost College, Brownsville	407	\$5,971.7	\$6,944.2	\$1,838.0	\$11,077.9

Congressional District: 34 | Filemon Vela (D) \$43,823.0

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Our Lady of Lake University, San Antonio	36	\$648.0	\$588.8	\$299.8	\$936.9
St. Philip's College, San Antonio	30	\$197.1	\$548.5	\$40.8	\$704.9

Congressional District: 35 | Lloyd Doggett (D)**\$1,641.8**

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	30	\$74.9	\$502.8	\$31.5	\$546.1
San Jacinto College - Central Campus, Pasadena	740	\$4,437.5	\$12,439.3	\$922.2	\$15,954.5
University of Houston - Clear Lake, Houston	797	\$12,183.2	\$13,498.2	\$2,416.2	\$23,265.2

Congressional District: 36 | Steve Stockman (R)**\$39,765.8**

Methodology: How We Compute Economic Impact (November 2012)

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 2012* report, funded by the U.S. Department of State's Bureau of Educational and Cultural Affairs, provides numbers of international students enrolled at colleges and universities throughout the United States during the 2011-12 academic year. In many cases, this data provide separate totals for undergraduate, graduate, and non degree students. (<http://www.iie.org/opendoors>)
2. Wintergreen Orchard House, a major database compiler, provider, and publisher of education data, provides cost figures for tuition, living, and miscellaneous expenses at U.S. colleges and universities for the 2011-12 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 the *Open Doors* report. Colleges and 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 House'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 Wintergreen Orchard House's data, then the undergraduate expenses would be applied.

Note: For this cycle, Wintergreen Orchard House was unable to provide updated graduate expenses for the 2011-12 academic year. Therefore an estimated percentage increase was applied based upon the 2010-11 graduate expenses for a derived 2011-12 graduate expense for each institution.

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 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 (***)

Note about Fluctuations: There may be fluctuations between the overall enrollment and the overall economic impact totals on the national, state, congressional district, or institution level. This is due to several variables that comprise the economic impact amount. For example, an institution could have a slight decrease of international students with a slight increase in tuition and living expenses, resulting in an overall increase in economic impact. Another institution could have an overall increase in their international student population, but with a different mix of undergraduates, graduates, and those on practical training. That mix could result in a lower economic impact, as graduate students generally receive more university funding and those on OPT have a zero impact on the economic impact value. All these variations are accounted for within the overall analysis.