

**The Economic Benefits of International Education to the
United States for the 2009-2010 Academic Year:
A Statistical Analysis**

NAFSA estimates that foreign students and their dependents contributed approximately \$18.78 billion to the U.S. economy during the 2009-2010 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 2010* 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.

Washington

Total Number of Foreign Students: 16,449

Part 1: Net Contribution to State Economy by Foreign Students (2009-10)

Contribution from Tuition and Fees to State Economy:	\$227,899,000
Contribution from Living Expenses:	\$263,535,000
Total Contribution by Foreign Students:	\$491,434,000
Less U.S. Support of 17.5%	- \$85,840,000
Plus Dependents' Living Expenses:	+ \$6,460,000

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

\$412,055,000

Part 2: Contribution to State Economy by Foreign Students' Dependents (2009-10)

<i>Spouses' Contribution</i>		<i>Children's Contribution</i>	
Percent of Married Students:	6.9%	Number of Couples in the U.S.:	1,129
Percent of Spouses in the U.S.:	85.0%	Number of Children per Couple:	0.6
Number of Spouses in the U.S.:	1,129	Number of Children in the U.S.:	674
Additional Expenses for a Spouse: (% of student living expenses)	25.0%	Additional Expenses for a Child: (% of student living expenses)	20.0%
Spouses' Contribution:	\$4,376,000	Children's Contribution:	\$2,084,000

Net Contribution to State Economy by Foreign Students' Dependents:

\$6,460,000

Part 3: Foreign Student Contribution from Tuition/Fees and Living Expenses (2009-10)

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Bastyr University, Kenmore	49	\$748.8	\$730.0	\$445.3	\$1,033.5
Cascadia Community College, Bothell	71	\$471.1	\$1,198.3	\$88.2	\$1,581.2
Edmonds Community College, Lynnwood	1018	\$7,426.8	\$10,931.7	\$930.4	\$17,428.0
Lake Washington Technical College, Kirkland	156	\$1,010.7	\$2,433.9	\$158.3	\$3,286.3
Northwest University, Kirkland	29	\$605.6	\$464.3	\$170.9	\$898.9
Shoreline Community College, Shoreline	630	\$4,489.9	\$10,284.7	\$679.8	\$14,094.8

Congressional District: 01 | Jay Inslee (D)

\$38,322.7

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Everett Community College, Everett	82	\$659.7	\$1,374.8	\$96.3	\$1,938.3
Skagit Valley College, Mount Vernon	216	\$1,721.5	\$3,640.8	\$239.4	\$5,122.9

Western Washington University, Bellingham	158	\$2,325.4	\$2,439.5	\$620.0	\$4,144.9
Whatcom Community College, Bellingham	145	\$1,109.6	\$2,389.0	\$180.3	\$3,318.3
Congressional District: 02 Rick Larsen (D)					\$14,524.3
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Centralia College, Centralia	56	\$189.7	\$740.0	\$41.4	\$888.3
Clark College, Vancouver	64	\$488.6	\$1,049.3	\$68.7	\$1,469.3
Evergreen State College, Olympia	28	\$465.7	\$504.3	\$137.6	\$832.3
Lower Columbia College, Longview	***	\$15.2	\$64.3	\$3.6	\$75.9
South Puget Sound Community College, Olympia	129	\$909.2	\$2,215.3	\$148.6	\$2,976.0
Congressional District: 03 Jaime Herrera (R)					\$6,241.7
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Big Bend Community College, Moses Lake	***	\$23.6	\$50.2	\$3.3	\$70.5
Central Washington University, Ellensburg	462	\$6,657.3	\$7,621.2	\$1,768.3	\$12,510.1
Columbia Basin College, Pasco	12	\$83.9	\$200.8	\$12.8	\$271.9
Wenatchee Valley College, Wenatchee	16	\$110.0	\$272.0	\$17.0	\$364.9
Yakima Valley Community College, Yakima	19	\$142.6	\$270.0	\$18.4	\$394.2
Congressional District: 04 Doc Hastings (R)					\$13,611.8
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Eastern Washington University, Cheney	406	\$4,456.0	\$6,810.5	\$1,375.6	\$9,890.9
Gonzaga University, Spokane	206	\$5,884.5	\$3,793.3	\$1,223.0	\$8,454.9
Spokane Community College, Spokane	55	\$359.6	\$953.5	\$58.5	\$1,254.6
Spokane Falls Community College, Spokane	140	\$922.9	\$2,452.1	\$160.9	\$3,214.1
Walla Walla Community College, Walla Walla	***	\$3.9	\$15.8	\$0.9	\$18.9
Walla Walla University, College Place	77	\$1,740.4	\$1,273.7	\$428.6	\$2,585.5
Washington State University, Pullman	1713	\$29,465.1	\$29,473.0	\$17,418.0	\$41,520.1
Whitman College, Walla Walla	48	\$1,684.5	\$951.4	\$393.2	\$2,242.6
Whitworth College, Spokane	49	\$1,383.0	\$883.1	\$292.8	\$1,973.3
Congressional District: 05 Cathy McMorris Rodgers (R)					\$71,155.0
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Clover Park Technical College, Lakewood	36	\$224.9	\$477.0	\$33.8	\$668.0
Grays Harbor College, Aberdeen	***	\$7.4	\$16.7	\$1.1	\$23.1
Olympic College, Bremerton	38	\$219.3	\$651.8	\$45.1	\$826.0
Pacific Lutheran University, Tacoma	203	\$5,252.5	\$3,456.7	\$1,212.3	\$7,496.9

Peninsula College, Port Angeles	78	\$246.7	\$1,237.1	\$66.0	\$1,417.8
Tacoma Community College, Tacoma	225	\$1,616.2	\$3,915.1	\$246.9	\$5,284.5
University of Puget Sound, Tacoma	21	\$599.2	\$317.9	\$130.0	\$787.2

Congressional District: 06 | Norman D. Dicks (D) \$16,503.5

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Art Institute of Seattle, Seattle	152	\$2,373.5	\$2,114.8	\$383.2	\$4,105.2
Cornish College of the Arts, Seattle	19	\$405.0	\$273.5	\$58.4	\$620.1
North Seattle Community College, Seattle	610	\$5,011.8	\$11,180.9	\$722.6	\$15,470.0
Seattle Central Community College, Seattle	1178	\$6,114.5	\$20,830.6	\$1,295.3	\$25,649.7
Seattle Pacific University, Seattle	55	\$1,498.9	\$1,101.6	\$367.5	\$2,233.0
Seattle University, Seattle	685	\$17,251.2	\$11,604.0	\$4,068.5	\$24,786.8
South Seattle Community College, Seattle	334	\$2,596.8	\$5,990.7	\$426.3	\$8,161.1
University of Washington, Seattle	3734	\$82,922.6	\$61,996.6	\$44,780.3	\$100,138.9

Congressional District: 07 | Jim McDermott (D) \$181,164.7

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Bellevue College, Bellevue	923	\$7,527.9	\$15,653.7	\$1,141.5	\$22,040.2
City University, Bellevue	302	\$3,474.2	\$4,432.2	\$1,107.4	\$6,798.9
Green River Community College, Auburn	1061	\$7,764.8	\$17,125.2	\$1,204.2	\$23,685.8
Renton Technical College, Renton	22	\$69.1	\$322.2	\$17.4	\$373.8

Congressional District: 08 | David G. Reichert (R) \$52,898.8

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 - Washington, Federal Way	11	\$65.8	\$194.4	\$33.1	\$227.1
Highline Community College, Des Moines	366	\$2,574.4	\$5,534.6	\$361.9	\$7,747.0
Pierce College, Lakewood	213	\$1,262.6	\$3,597.3	\$241.3	\$4,618.6
Saint Martin's University, Lacey	139	\$3,265.3	\$2,489.8	\$715.6	\$5,039.5

Congressional District: 09 | Adam Smith (D) \$17,632.2

Methodology: How We Compute Economic Impact (2010)

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 2010* report, funded by the Department of State, provides numbers of foreign students at universities and colleges throughout the United States during the 2009-10 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 provides cost figures for tuition, living, and miscellaneous expenses at U.S. institutions for the 2009-10 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 (***)