



**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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Indiana

Total Number of Foreign Students: 15,502

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

Contribution from Tuition and Fees to State Economy:	\$303,123,000
Contribution from Living Expenses:	\$240,284,000
Total Contribution by Foreign Students:	\$543,407,000
Less U.S. Support of 34.1%	- \$185,054,000
Plus Dependents' Living Expenses:	+ \$9,353,000

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

\$367,705,000

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

Spouses' Contribution

Percent of Married Students:	10.7%
Percent of Spouses in the U.S.:	85.0%
Number of Spouses in the U.S.:	1,662
Additional Expenses for a Spouse: (% of student living expenses)	25.0%
Spouses' Contribution:	\$6,320,000

Children's Contribution

Number of Couples in the U.S.:	1,662
Number of Children per Couple:	0.6
Number of Children in the U.S.:	992
Additional Expenses for a Child: (% of student living expenses)	20.0%
Children's Contribution:	\$3,033,000

Net Contribution to State Economy by Foreign Students' Dependents:

\$9,353,000

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)
Ancilla College, Donaldson	***	\$80.4	\$86.3	\$6.2	\$160.5
Anderson University, Anderson	64	\$1,342.5	\$1,056.4	\$294.8	\$2,104.1
Ball State University, Muncie	553	\$9,196.9	\$9,101.8	\$4,185.2	\$14,113.4
Bethany Theological Seminary, Richmond	***	\$10.1	\$15.4	\$8.1	\$17.4
Bethel College, Mishawaka	39	\$594.4	\$437.9	\$259.8	\$772.4
Butler University, Indianapolis	115	\$2,186.9	\$2,243.8	\$480.5	\$3,950.2
Calumet College of St. Joseph, Whiting	***	\$93.2	\$138.7	\$48.5	\$183.4
Christian Theological Seminary, Indianapolis	***	\$50.6	\$75.5	\$43.4	\$82.7
DePauw University, Greencastle	72	\$1,960.2	\$1,285.0	\$1,512.2	\$1,733.0
Earlham College, Richmond	138	\$4,096.8	\$2,026.0	\$3,093.9	\$3,028.9
Earlham School of Religion, Richmond	***	\$50.6	\$80.7	\$40.4	\$90.9
Franklin College of Indiana, Franklin	***	\$64.0	\$43.0	\$27.5	\$79.5
Goshen College, Goshen	68	\$1,107.6	\$871.5	\$998.8	\$980.3

Grace College and Theological Seminary, Winona Lake	12	\$230.7	\$179.6	\$98.4	\$311.9
Hanover College, Hanover	36	\$871.9	\$615.7	\$711.2	\$776.5
Indiana State University, Terre Haute	498	\$6,443.1	\$7,159.3	\$3,031.9	\$10,570.5
Indiana University - Bloomington, Bloomington	4287	\$86,697.7	\$72,276.4	\$56,393.2	\$102,580.9
Indiana University - East, Bloomington	***	\$64.2	\$89.4	\$35.4	\$118.1
Indiana University - Kokomo, Bloomington	12	\$147.5	\$218.9	\$67.4	\$299.0
Indiana University - Northwest, Bloomington	10	\$112.8	\$160.8	\$55.8	\$217.9
Indiana University - Purdue University at Fort Wayne, Fort Wayne	227	\$2,637.7	\$2,644.8	\$610.9	\$4,671.6
Indiana University - Purdue University at Indianapolis, Indianapolis	1199	\$19,071.1	\$14,012.6	\$10,234.1	\$22,849.6
Indiana University - South Bend, South Bend	243	\$2,804.7	\$3,820.3	\$834.9	\$5,790.1
Indiana University - Southeast, Bloomington	23	\$239.1	\$344.0	\$73.3	\$509.8
Indiana Wesleyan University, Marion	22	\$402.2	\$334.7	\$94.2	\$642.8
Ivy Tech Community College - Bloomington, Bloomington	31	\$163.9	\$526.3	\$25.4	\$664.8
Ivy Tech Community College - Evansville, Evansville	***	\$17.0	\$49.7	\$2.5	\$64.2
Ivy Tech Community College - Fort Wayne, Fort Wayne	12	\$67.8	\$146.1	\$7.5	\$206.4
Ivy Tech Community College - Gary, Gary	***	\$5.7	\$17.3	\$0.9	\$22.1
Ivy Tech Community College - Indianapolis, Indianapolis	15	\$84.8	\$215.7	\$10.2	\$290.3
Ivy Tech Community College - Lafayette, Lafayette	43	\$231.8	\$718.5	\$32.1	\$918.1
Ivy Tech Community College - Madison, Madison	***	\$5.7	\$17.3	\$0.9	\$22.1
Ivy Tech Community College - Muncie, Muncie	***	\$17.0	\$54.5	\$2.7	\$68.8
Ivy Tech Community College - Sellersburg, Sellersburg	***	\$11.3	\$34.7	\$1.7	\$44.3
Ivy Tech Community College - South Bend, South Bend	11	\$62.2	\$190.7	\$8.8	\$244.0
Ivy Tech Community College - Terre Haute, Terre Haute	***	\$17.0	\$47.0	\$2.4	\$61.5
Manchester College, North Manchester	48	\$1,057.2	\$853.6	\$467.4	\$1,443.4
Marian College, Indianapolis	18	\$353.6	\$286.5	\$155.7	\$484.4
Purdue University - Main Campus, West Lafayette	5772	\$110,986.7	\$92,070.5	\$74,283.0	\$128,774.2
Purdue University - North Central Campus, Westville	10	\$158.2	\$173.3	\$82.7	\$248.8
Rose-Hulman Institute of Technology, Terre Haute	58	\$1,649.4	\$1,045.8	\$646.8	\$2,048.4
Saint Joseph's College, Rensselaer	10	\$218.8	\$164.0	\$98.5	\$284.2
Saint Mary-of-the-Woods College, St. Mary Woods	***	\$60.5	\$52.3	\$29.1	\$83.8
Saint Mary's College, Notre Dame	***	\$188.1	\$143.5	\$168.3	\$163.3
Saint Meinrad School of Theology, St. Meinrad	24	\$242.7	\$440.3	\$208.7	\$474.3
Taylor University - Fort Wayne, Fort Wayne	***	\$130.4	\$88.5	\$54.6	\$164.4
Taylor University, Upland	31	\$721.1	\$453.2	\$300.7	\$873.6
Tri-State University, Angola	35	\$712.0	\$487.0	\$203.6	\$995.5
University of Evansville, Evansville	211	\$4,933.6	\$3,633.1	\$1,453.0	\$7,113.6

University of Indianapolis, Indianapolis	281	\$4,676.0	\$4,361.6	\$1,169.1	\$7,868.5
University of Notre Dame, Notre Dame	837	\$29,451.5	\$18,256.5	\$20,149.1	\$27,558.9
University of Saint Francis, Fort Wayne	***	\$39.1	\$27.0	\$10.3	\$55.9
University of Southern Indiana, Evansville	118	\$1,241.9	\$1,774.3	\$288.5	\$2,727.7
Valparaiso University, Valparaiso	145	\$3,427.2	\$2,256.3	\$1,004.9	\$4,678.5
Vincennes University, Vincennes	64	\$580.2	\$1,029.6	\$59.6	\$1,550.3
Wabash College, Crawfordsville	44	\$1,054.0	\$703.4	\$886.0	\$871.4

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 (***)