

**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.

# Michigan

Total Number of Foreign Students: 23,617

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

Contribution from Tuition and Fees to State Economy:	\$498,888,000
Contribution from Living Expenses:	\$352,445,000
Total Contribution by Foreign Students:	\$851,333,000
Less U.S. Support of 32.0%	- \$272,747,000
Plus Dependents' Living Expenses:	+ \$13,825,000

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

***\$592,412,000***

## 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:	10.5%	Number of Couples in the U.S.:	2,477
Percent of Spouses in the U.S.:	85.0%	Number of Children per Couple:	0.6
Number of Spouses in the U.S.:	2,477	Number of Children in the U.S.:	1,481
Additional Expenses for a Spouse: (% of student living expenses)	25.0%	Additional Expenses for a Child: (% of student living expenses)	20.0%
Spouses' Contribution:	\$9,346,000	Children's Contribution:	\$4,479,000

### ***Net Contribution to State Economy by Foreign Students' Dependents:***

***\$13,825,000***

## 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)
Alpena Community College, Alpena	***	\$16.0	\$50.0	\$2.3	\$63.7
Bay de Noc Community College, Escanaba	***	\$6.0	\$16.7	\$0.8	\$21.9
Gogebic Community College, Ironwood	***	\$19.3	\$52.7	\$2.6	\$69.5
Michigan Technological University, Houghton	819	\$16,510.5	\$12,522.5	\$8,640.7	\$20,392.2

### **Congressional District: 01 | Bart Stupak (D)**

**\$20,547.3**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Baker College of Muskegon, Muskegon	***	\$26.6	\$66.7	\$2.4	\$91.0
Central Michigan University, Mount Pleasant	722	\$14,253.1	\$11,296.8	\$3,895.6	\$21,654.3
Grand Valley State University, Allendale	281	\$3,643.6	\$4,712.1	\$1,088.0	\$7,267.6
Hope College, Holland	51	\$1,094.8	\$805.4	\$767.2	\$1,133.0

**Congressional District: 02 | Pete Hoekstra (R)****\$30,146.0**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Aquinas College, Grand Rapids	***	\$83.9	\$60.7	\$17.9	\$126.7
Calvin College, Grand Rapids	357	\$6,909.8	\$5,215.6	\$5,164.7	\$6,960.7
Calvin Theological Seminary, Grand Rapids	75	\$687.7	\$1,080.4	\$580.8	\$1,187.4
Cornerstone University, Grand Rapids	18	\$350.0	\$260.9	\$118.9	\$492.0
Davenport University, Grand Rapids	208	\$1,941.4	\$2,740.5	\$684.8	\$3,997.2
Grand Rapids Community College, Grand Rapids	32	\$245.4	\$485.9	\$25.7	\$705.7
Kuyper College, Grand Rapids	22	\$280.0	\$285.4	\$241.7	\$323.6

**Congressional District: 03 | Vernon J. Ehlers (R)****\$13,793.2**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Alma College, Alma	13	\$296.4	\$218.7	\$210.6	\$304.6
Baker College of Owosso, Owosso	***	\$13.3	\$33.4	\$1.2	\$45.5
Ferris State University, Big Rapids	195	\$2,524.1	\$3,011.2	\$802.1	\$4,733.1
Northwestern Michigan College, Traverse City	26	\$148.5	\$411.3	\$20.4	\$539.5
Northwood University, Midland	235	\$2,961.9	\$3,117.9	\$278.5	\$5,801.3

**Congressional District: 04 | Dave Camp (R)****\$11,424.0**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Delta College, University Center	26	\$90.7	\$345.8	\$15.3	\$421.2
Kettering University, Flint	135	\$3,372.6	\$2,290.6	\$697.8	\$4,965.4
Mott Community College, Flint	26	\$138.0	\$294.2	\$15.7	\$416.5
Saginaw Valley State University, University Center	309	\$4,247.5	\$4,635.8	\$1,124.7	\$7,758.5
University of Michigan - Flint, Flint	154	\$2,056.7	\$2,190.5	\$686.4	\$3,560.8

**Congressional District: 05 | Dale Kildee (D)****\$17,122.4**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Andrews University, Berrien Springs	631	\$11,743.8	\$9,289.2	\$3,451.5	\$17,581.5
Glen Oaks Community College, Centreville	***	\$42.1	\$150.1	\$7.1	\$185.1
Kalamazoo College, Kalamazoo	45	\$1,358.2	\$751.7	\$715.0	\$1,394.9
Kalamazoo Valley Community College, Kalamazoo	50	\$169.2	\$838.8	\$37.2	\$970.8
Lake Michigan College, Benton Harbor	131	\$576.2	\$1,941.9	\$88.5	\$2,429.6
Western Michigan University, Kalamazoo	1354	\$21,300.4	\$20,353.4	\$11,217.2	\$30,436.6

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**Congressional District: 06 | Fred Upton (R)** **\$52,998.5**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Adrian College, Adrian	59	\$1,345.5	\$1,008.4	\$594.7	\$1,759.2
Albion College, Albion	28	\$780.1	\$502.5	\$529.7	\$752.9
Great Lakes Christian College, Lansing	***	\$53.3	\$76.0	\$41.5	\$87.9
Jackson Community College, Jackson	14	\$60.5	\$209.7	\$9.6	\$260.6
Olivet College, Olivet	20	\$376.4	\$293.7	\$269.8	\$400.2

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**Congressional District: 07 | Mark Schauer (D)** **\$3,260.8**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Lansing Community College, Lansing	427	\$2,525.4	\$5,990.4	\$312.0	\$8,203.8
Michigan State University, East Lansing	4757	\$129,228.1	\$70,176.7	\$69,534.2	\$129,870.6

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**Congressional District: 08 | Mike Rogers (R)** **\$138,074.5**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Cranbrook Academy of Art, Bloomfield Hills	29	\$573.3	\$407.1	\$34.3	\$946.0
Michigan School of Professional Psychology, Farmington Hills	***	\$34.4	\$33.4	\$1.5	\$66.3
Oakland Community College, Waterford	689	\$2,844.1	\$8,541.8	\$417.4	\$10,968.5
Oakland University, Rochester	396	\$5,540.6	\$4,888.9	\$1,704.2	\$8,725.3
Rochester College, Rochester Hills	13	\$179.4	\$196.2	\$95.4	\$280.2
Walsh College Accountancy and Business Administration, Troy	78	\$687.0	\$1,234.6	\$74.7	\$1,846.9

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**Congressional District: 09 | Gary Peters (D)** **\$22,833.3**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Saint Clair County Community College, Port Huron	35	\$209.4	\$591.4	\$28.1	\$772.7

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**Congressional District: 10 | Candice Miller (R)** **\$772.7**

Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Madonna University, Livonia	129	\$1,802.7	\$1,893.3	\$486.1	\$3,209.9
Northern Michigan University, Marquette	66	\$777.0	\$1,143.5	\$246.1	\$1,674.5

<b>Congressional District: 11   Thaddeus McCotter (R)</b>					<b>\$4,884.4</b>
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Macomb Community College, Warren	160	\$678.4	\$2,641.0	\$120.8	\$3,198.6
<b>Congressional District: 12   Sander Levin (D)</b>					<b>\$3,198.6</b>
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
College for Creative Studies, Detroit	74	\$2,102.0	\$1,075.4	\$45.2	\$3,132.2
Sacred Heart Major Seminary, Detroit	12	\$208.1	\$199.5	\$136.2	\$271.4
Wayne County Community College, Detroit	67	\$206.8	\$1,090.9	\$45.6	\$1,252.1
Wayne State University, Detroit	2632	\$42,208.4	\$36,702.3	\$32,026.7	\$46,884.0
<b>Congressional District: 13   Carolyn Kilpatrick (D)</b>					<b>\$51,539.5</b>
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Marygrove College, Detroit	15	\$226.4	\$260.8	\$64.2	\$422.9
University of Detroit Mercy, Detroit	623	\$16,930.0	\$12,239.3	\$3,750.1	\$25,419.3
<b>Congressional District: 14   John Conyers, Jr. (D)</b>					<b>\$25,842.2</b>
Institution and City	# of Foreign Students	Tuition and Fees (thousands)	Living Expenses and Dependents (thousands)	Less U.S. Support (thousands)	Total Contribution (thousands)
Cleary University, Ann Arbor	***	\$98.6	\$135.9	\$10.4	\$224.1
Concordia University, Ann Arbor	10	\$201.6	\$173.0	\$87.4	\$287.1
Eastern Michigan University, Ypsilanti	1006	\$17,674.5	\$14,646.4	\$4,227.2	\$28,093.7
Henry Ford Community College, Dearborn	249	\$783.9	\$3,903.9	\$168.0	\$4,519.8
Monroe County Community College, Monroe	***	\$12.7	\$66.7	\$2.8	\$76.6
University of Michigan - Ann Arbor, Ann Arbor	5790	\$168,659.5	\$101,571.9	\$115,825.3	\$154,406.0
University of Michigan - Dearborn, Dearborn	277	\$4,772.0	\$4,849.0	\$1,254.2	\$8,366.8
<b>Congressional District: 15   John D. Dingell (D)</b>					<b>\$195,974.2</b>

## **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 (\*\*\*)