

# Diversifying the UF Student Body Faculty & Curriculum (Asian)

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Computer and Information Science  
and Engineering  
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# Demographics(approx)

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All	Immigrant	2nd Gen
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All

4yr coll or  
univ  
enrolled

Business  
or  
STEM

# Demographics(approx)

	All	Immigrant	2nd Gen
All	300M		
4yr coll or univ enrolled	11M		
Business or STEM	4.5M		

## Most recent reports:

- US Census
- “Open Doors” Institute for International Education
- National Center for Education Statistics
- NSF National Science Board Science and Engineering Indicators

# Demographics(approx)

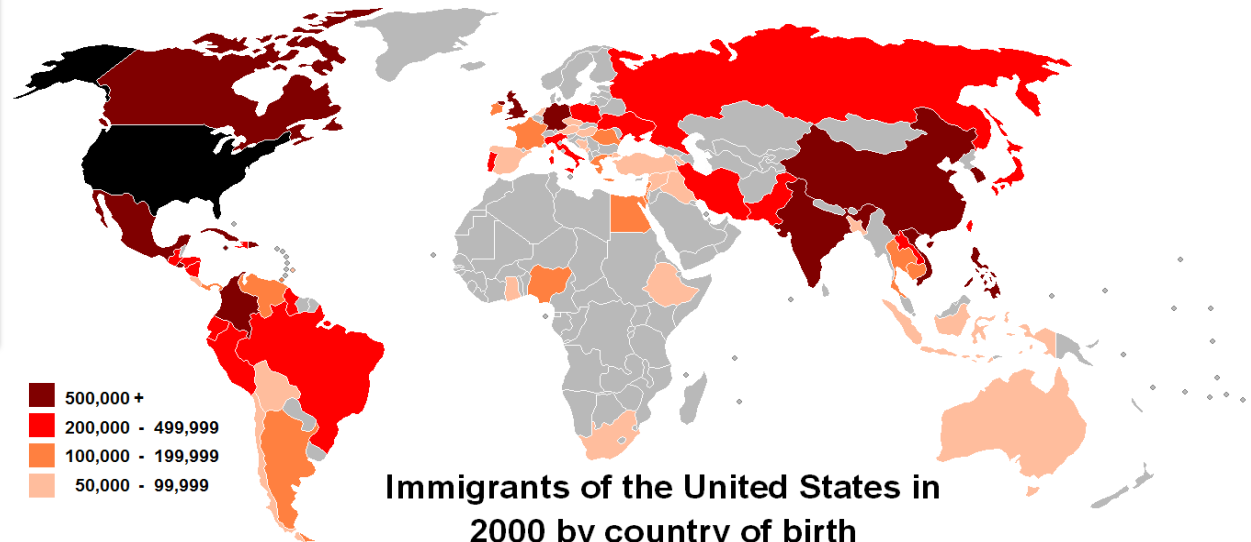
	All	Immigrant	2nd Gen
All	300M	40M S/E/SE Asian 8.5M China 2.2M India 1.8M Phillipines 1.8M Vietnam 1.3M Korea 1.1M Other 0.5M	

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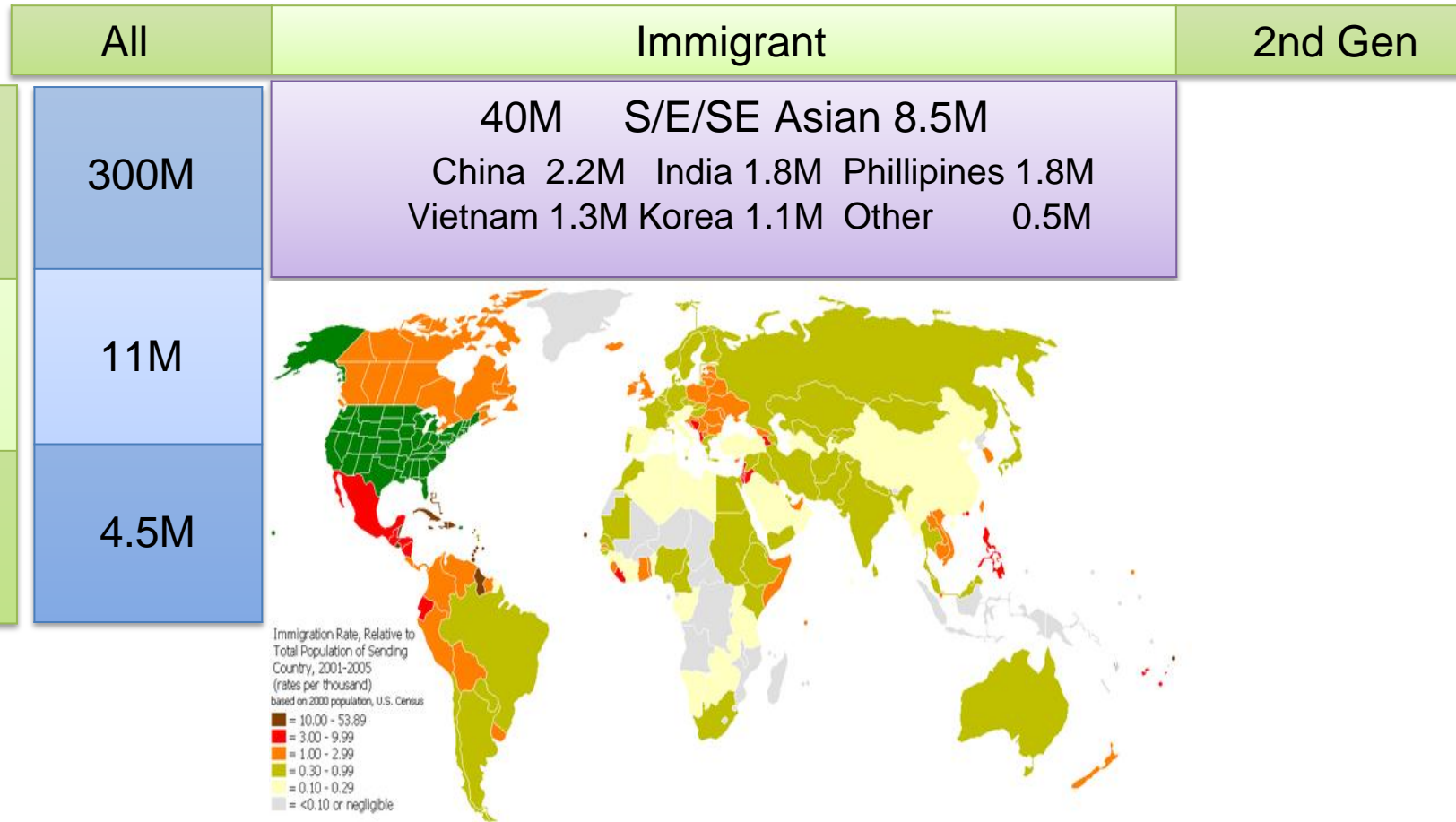
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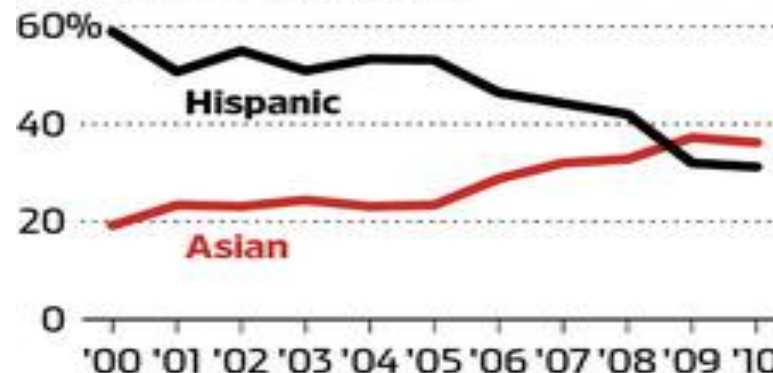
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## A Shifting Mix

In recent years, more Asians than Latinos have immigrated to the U.S.

Percentage of immigrants



Note: Based on total foreign-born population, including adults and children. Asians include mixed-race Asian population, regardless of Hispanic origin. Hispanics are of any race.

Source: Pew Research Center

The Wall Street Journal

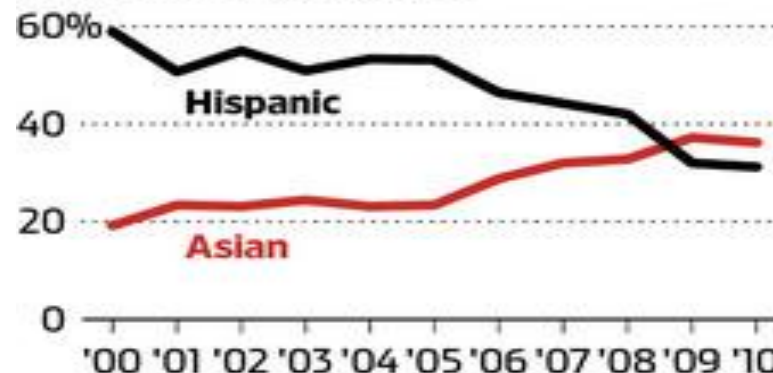
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4yr coll or univ enrolled	11M		1.3M
Business or STEM	4.5M		0.9M

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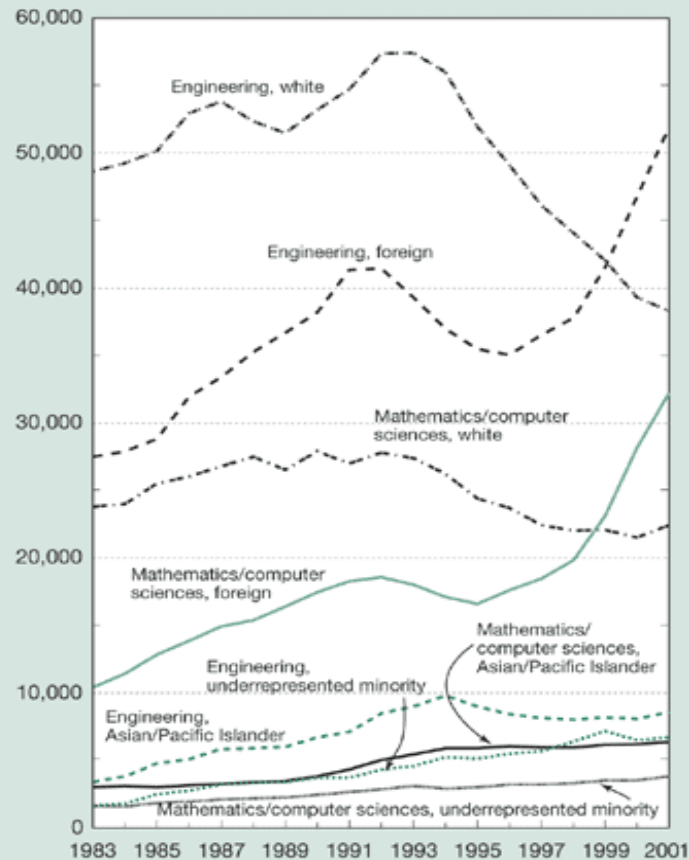
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# What is Diversity in STEM disciplines?

Figure 2-6  
**Graduate enrollment in mathematics/computer sciences and engineering, by citizenship and race/ethnicity: 1983–2001**

Number of students



NOTES: Foreign citizen includes temporary residents only.  
Race/ethnicity groups include U.S. citizens and permanent residents.  
Underrepresented minority includes black, Hispanic, and American Indian/Alaskan Native.

SOURCE: National Science Foundation, Division of Science Resources Statistics, WebCASPAR database system, <http://caspar.nsf.gov>. See appendix table 2-12.

- STEM labor is increasingly Asian
- H1 B visas in demand
- Over half of Tech Startups by Asians – employ 0.5M (*Wadhwa 2006*)

# University of Florida

%	Asian	International
UF Students	7.5	8.6
UF Faculty	12.8	4.2

- Significant majority of Int. Students are Asian
- Most are in Business or STEM fields
- Majority pay their way
- Join the US STEM workforce

UF is **#16th** in number of International Students: **5588**  
(Compare with #1st USC: **9269**)

Sources: 2011 UF, Office of Institutional Planning and Research;  
Institute for International Education “Open Doors” report.

# Engineering Diversity at UF

**2012**

- Doctoral Fellowships reserved for domestic students.
- Majority of Asian grads pay their way but their SCH's do not “count”



**2007**



# Utilizing the Diversity at UF

- Use *Asian-ness* of STEM students and faculty
  - as assistants for language, music, dance, and dev-econ-related courses;
  - as useful liaisons for field research and study abroad
  - as facilitators for UF's agreements with universities and organizations abroad



SPICMACAY-UF – Indian  
Classical Musicians



1 of 6 projects supported by ASHA-UF  
volunteers



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- Use *Asian-ness* of STEM students and faculty
- Coordinate information on such courses, projects and initiatives UF-wide (connect with Harn/Phillips center and Gainesville community organizations).



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- Use Asian-ness of STEM students and faculty
- Coordinate information on such courses, projects and initiatives UF-wide (connect also with Harn/Phillips center and Gainesville community organizations).
- Nurture and coordinate with relevant (international) Student Organizations (currently 85/1000 orgs)





# Utilizing the Diversity at UF

- Use *Asian-ness* (international) students and STEM faculty
- Coordinate information on such courses, projects and initiatives UF-wide (connect also with Harn/Phillips center and Gainesville community organizations).
- Nurture and coordinate with int. Student Organizations (currently 85/1000 orgs)
- *International STEM* Programs (combined STEM/cultural studies/language/dev-econ)



# Thank You!

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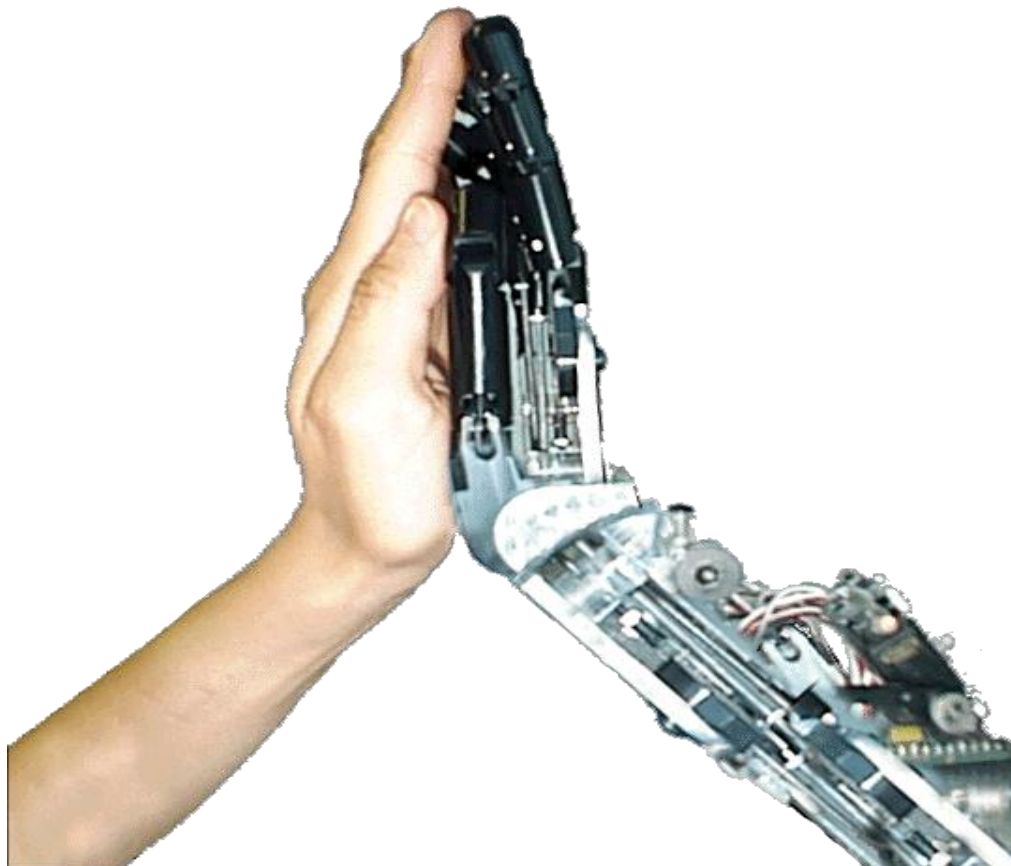


Image Courtesy:  
International Consortium for rehabilitation robotics