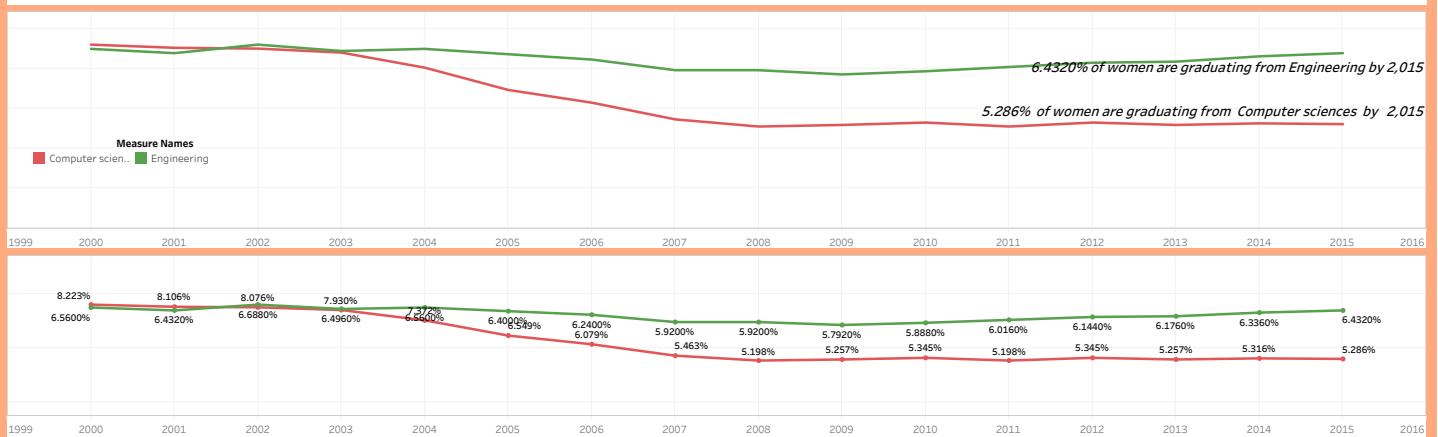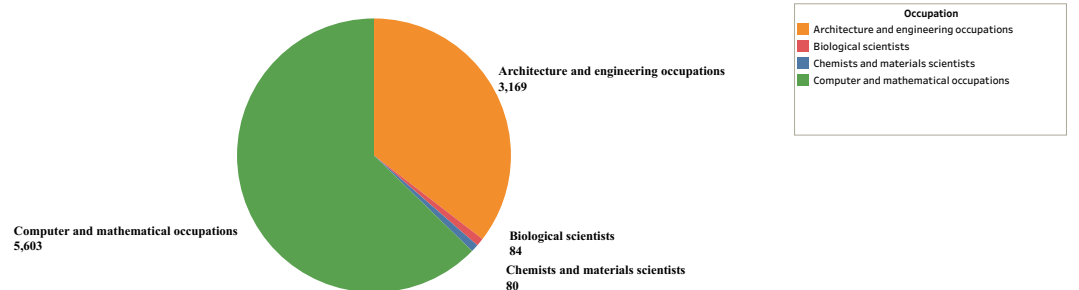# Women in STEM Fields

**INTRODUCTION:**

This dashboard empowers mission driven organizations to harness the power of data visualization for social change. This dashboard addresses some major gaps between Men and Women in STEM (Science, Technology, Engineering & Mathematics) fields. A pie graph of women in Four feilds can shown to be indicated the Various occupations. The trend of percent women graduating in Computer science and Engineering from 2000-2015 and The percent of women are graduating from stem majors (Computer science and Engineering) by 2015. The percent of women are in health-related jobs with their master's education and Professional/Doctoral Degree to be Calculated also percent of women are working in computers who majored in Computers and Engineering. the difference in salary in Asian women and men
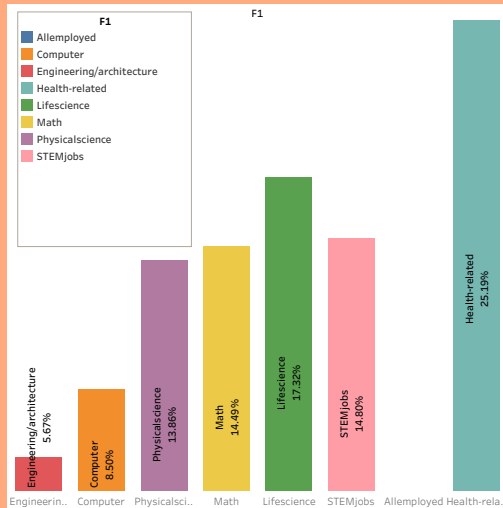
## Women In various Occupation



Pie chart legend — **Occupation**:
- Architecture and engineering occupations
- Biological scientists
- Chemists and materials scientists
- Computer and mathematical occupations

Architecture and engineering occupations
3,169

Computer and mathematical occupations
5,603

Biological scientists
84

Chemists and materials scientists
80



6.4320% of women are graduating from Engineering by 2,015

5.286% of women are graduating from Computer sciences by 2,015

Measure Names: Computer scien... / Engineering

1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016



| | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Engineering | 8.223% | 8.106% | 8.076% | 7.930% | 7.37% | 6.4000% | 6.2400% | 5.9200% | 5.9200% | 5.7920% | 5.8880% | 6.0160% | 6.1440% | 6.1760% | 6.3360% | 6.4320% |
| Computer science | 6.5600% | 6.4320% | 6.6880% | 6.4960% | 6.5600% | 5.649% / 5.463% | 6.079% | 5.198% | 5.257% | 5.345% | 5.198% | 5.345% | 5.257% | 5.316% | 5.286% | |

1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

**38 percent of women are working in computers  53Men are majored in Computers**

**24 percent of women are working in Engineerinng  30Men  are majored in Engineering**
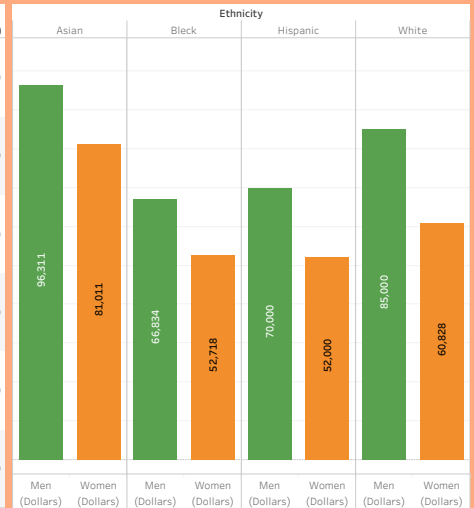
Professional Doctoral degree / F1
45

**100.0% of Women are in health-related jobs with their master education and Professional Doctoral Degree**

Health-related



**F1** legend:
- Allemployed
- Computer
- Engineering/architecture
- Health-related
- Lifescience
- Math
- Physicalscience
- STEMjobs

F1 bar labels:
- Engineering/architecture 5.67%
- Computer 8.50%
- Physicalscience 13.86%
- Math 14.49%
- Lifescience 17.32%
- STEMjobs 14.80%
- Health-related 25.19%

| Profession | Men (%) | Women (%) |
|---|---|---|
| Computer major workingin computers | 53.00 | 38.00 |
| Engineering major working in engineering | 30.00 | 24.00 |
| Health professions major workingin health-relatedjob | 61.00 | 69.00 |
| Lifesciences major workingin lifesciences | 5.00 | 5.00 |
| Mathmajor working in math | 5.00 | 5.00 |
| Physicalsciences major workingin physicalsciences | 10.00 | 8.00 |

Ethnicity



| Ethnicity | Men (Dollars) | Women (Dollars) |
|---|---|---|
| Asian | 96,311 | 81,011 |
| Bleck | 66,834 | 52,718 |
| Hispanic | 70,000 | 52,000 |
| White | 85,000 | 60,828 |

## The difference salary in Asian women and men is 15

A detailed insight on what can be the possible issues on gender gap in STEM Jobs.6.4320% of women are graduating from Engineering by 2,015, 5.286% of women are graduating from Computer sciences by 2,015. 38 percent of women are working in computers 53Men are majored in Computer, 24 percent of women are working in Engineerinng 30Men are majored in Engineering. 100.0% of Women are in health-related jobs with their master education and Professional Doctoral Degree. The difference salary in Asian women and men is 15.