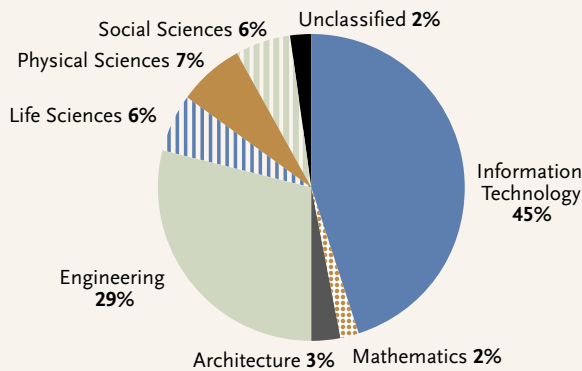


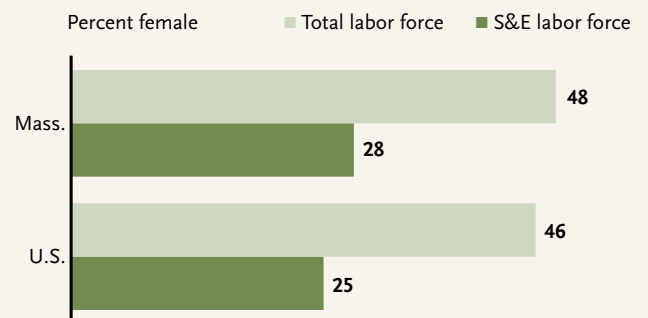
## Scientists and Engineers in **Massachusetts**, 2005

This profile summarizes the demographic, social, and economic characteristics of the 247,400 people in Massachusetts's science and engineering (S&E) labor force. In 2005, the unemployment rate for Massachusetts's S&E labor force was 4% and median earnings were \$64,820. Massachusetts ranked number 3 out of 50 states and DC in the share of people working in S&E occupations.

### S&E Occupations in Massachusetts



### Percent of Total and S&E Labor Force That is Female



### Share of labor force in S&E occupations

(Top States)	Percent
United States	5
1. District of Columbia	9
2. Maryland	8
3. Colorado	7
<b>3. Massachusetts</b>	<b>7</b>
3. Virginia	7
3. Washington	7

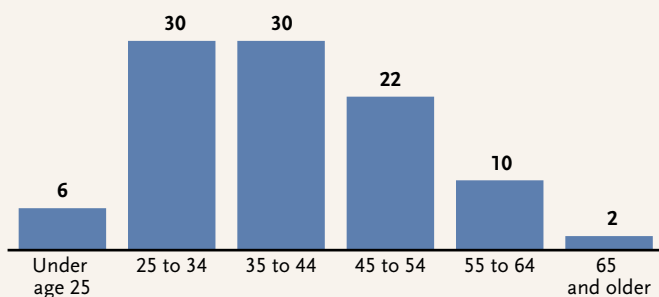
### Racial/Ethnic Composition and Nativity Status of the Labor Force in S&E Occupations

	Massachusetts (%)	U.S. (%)
White*	79	74
African American*	2	6
American Indian*	0	0
Asian*	14	13
Other Race*	0	0
Two or More Races*	1	1
Hispanic	3	6
Foreign-born	25	19

\*Non-Hispanic

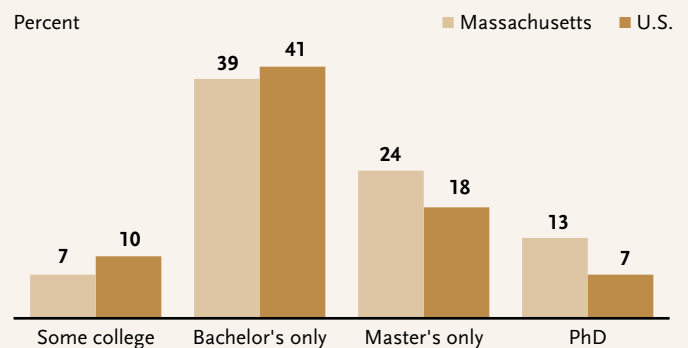
### Age Distribution of the S&E Labor Force in Massachusetts

Percent in each age group



### Educational Attainment of the S&E Labor Force

Percent

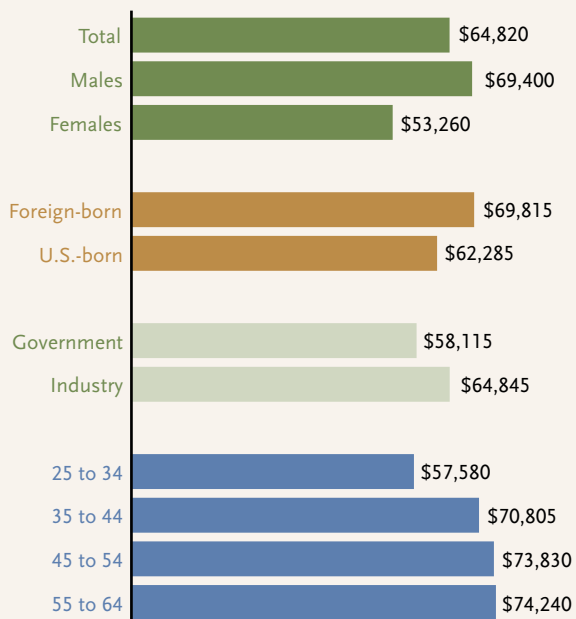


In 2005, IT workers accounted for the largest share of Massachusetts's S&E labor force (44%). Median earnings for IT workers in Massachusetts were \$68,370, compared with \$60,470 for IT workers nationwide. 24% of Massachusetts's IT workers were racial or ethnic minorities.

	Total	Information Technology	Mathematics	Architecture	Engineering	Life Sciences	Physical Sciences	Social Sciences
S&E Labor Force	247,400	109,175	5,315	6,850	72,590	15,625	17,570	15,595
Percent	100%	44%	2%	3%	29%	6%	7%	6%
Highest Degree								
Bachelor's	39%	48%	—	—	39%	15%	—	—
Master's	24%	22%	—	—	23%	—	18%	—
PhD	13%	4%	—	7%	5%	—	—	—
Percent Female	28%	26%	—	—	15%	—	—	—
Percent Minority*	21%	24%	16%	10%	17%	39%	20%	15%
Percent Foreign-born	25%	27%	—	—	21%	—	—	—

\* includes all those who are not non-Hispanic white, including Asian Americans.

### Median earnings of the S&E Labor Force in Massachusetts



### Median S&E Earnings By Highest Degree

	Massachusetts	U.S.
Total	\$64,820	\$58,760
Associate	\$54,525	\$49,880
Bachelor's	\$65,395	\$61,690
Master's	\$77,050	\$71,375
PhD	\$70,530	\$75,345

### Median S&E Earnings By Occupation

	Massachusetts	U.S.
Total	\$64,820	\$58,760
Information Technology	\$68,370	\$60,470
Mathematics	\$63,950	\$63,825
Architecture	\$63,915	\$52,035
Engineering	\$66,735	\$60,890
Life Sciences	\$48,195	\$45,025
Physical Sciences	\$57,400	\$52,495
Social Sciences	\$55,705	\$51,700

## Sources and Notes

**Source:** Population Reference Bureau analysis of the 2005 American Community Survey (ACS) Public Use Microdata Samples. The American Community Survey (ACS), conducted by the U.S. Census Bureau, is a nationwide annual survey designed to provide communities with reliable and timely demographic, housing, social, and economic data each year. For more information about the ACS, see [www.census.gov/acs/www/index.html](http://www.census.gov/acs/www/index.html).

**Notes:** The S&E labor force includes people employed or unemployed (based on their last job) in information technology, engineering, architecture, life sciences, physical sciences, or social sciences. ACS estimates are based on a survey of the population and are subject to both sampling and nonsampling error. An "N/A" or "—" indicates that the sample size was too small to produce a reliable estimate.

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1875 Connecticut Ave., NW, Suite 520 | Washington, DC 20009 | Tel: 202-483-1100 | Fax: 202-328-3937 | Web: [www.prb.org](http://www.prb.org)