

Table B-6. Selected employment characteristics of U.S. scientists and engineers, by level and broad field of highest degree attained and race/ethnicity: 1997

Level and field of highest degree, and race/ethnicity	Unemployment rate	Involuntarily out-of-field rate	Labor force participation rate
All degree levels¹			
All degree fields, total	1.8%	8.7%	86.0%
White	1.6	8.4	85.4
Black	2.5	12.0	89.0
Hispanic	2.6	9.4	90.1
Asian	2.6	9.7	89.4
Other	3.6	12.8	86.0
S&E degree fields, total	1.9	9.9	84.7
White	1.7	9.5	84.0
Black	2.8	14.4	88.6
Hispanic	2.7	11.1	89.0
Asian	2.8	10.3	88.7
Other	4.7	15.5	85.3
Sciences, total	2.0	11.7	84.7
White	1.8	11.3	84.2
Black	2.8	15.2	87.9
Hispanic	2.6	13.1	87.8
Asian	3.1	12.0	86.9
Other	4.3	17.9	83.2
Computer/math sciences, total	1.6	4.8	89.8
White	1.5	4.3	88.9
Black	2.4	10.6	92.1
Hispanic	2.9	11.1	92.2
Asian	1.7	4.4	94.3
Other	13.5	4.0	98.3
Life/related sciences, total	1.9	11.8	83.2
White	1.6	11.8	83.6
Black	3.7	13.8	84.6
Hispanic	5.3	9.8	81.8
Asian	3.1	11.7	79.4
Other	0.1	9.5	77.4
Physical/related sciences, total	2.0	11.5	81.7
White	1.8	11.5	80.6
Black	1.8	9.4	83.4
Hispanic	2.9	11.7	87.6
Asian	3.4	12.1	89.8
Other	8.5	20.5	81.1
Social/related sciences, total	2.1	14.0	84.4
White	2.0	13.4	83.8
Black	2.8	17.3	88.2
Hispanic	1.6	14.7	88.9
Asian	4.1	19.2	85.1
Other	2.3	23.4	82.1
Engineering, total	1.8	4.6	84.8
White	1.6	4.0	83.3
Black	3.1	9.0	93.8
Hispanic	3.1	4.9	92.9
Asian	2.4	7.6	91.7
Other	6.6	S	97.8

See explanatory information, if any, and SOURCE at end of table.

Table B-6. Selected employment characteristics of U.S. scientists and engineers, by level and broad field of highest degree attained and race/ethnicity: 1997

Level and field of highest degree, and race/ethnicity	Unemployment rate	Involuntarily out-of-field rate	Labor force participation rate
All degree levels¹ — continued			
Non-S&E degree fields, total	1.5%	5.4%	89.7%
White	1.4	5.3	89.4
Black	1.8	6.1	89.9
Hispanic	2.4	4.3	93.7
Asian	1.6	7.4	92.7
Other	S	S	S
Bachelor's			
All degree fields, total	2.0%	11.1%	84.6%
White	1.8	10.6	83.9
Black	3.0	15.7	88.9
Hispanic	2.8	11.5	89.3
Asian	3.3	13.0	87.1
Other	4.0	15.8	84.2
S&E degree fields, total	2.0	11.3	84.0
White	1.8	10.8	83.3
Black	3.0	16.2	88.6
Hispanic	3.0	11.8	89.1
Asian	3.4	13.2	86.7
Other	4.5	17.0	83.4
Sciences, total	2.0	13.4	84.3
White	1.8	12.9	83.8
Black	2.9	17.1	87.9
Hispanic	2.9	13.9	88.0
Asian	3.7	15.0	85.0
Other	3.9	19.7	81.1
Computer/math sciences, total	1.6	5.1	89.7
White	1.4	4.3	89.0
Black	1.8	12.2	91.8
Hispanic	3.2	13.0	93.8
Asian	2.3	4.7	93.5
Other	9.8	4.8	97.9
Life/related sciences, total	1.9	13.9	82.7
White	1.5	13.8	83.3
Black	3.9	16.5	83.5
Hispanic	6.3	11.3	80.6
Asian	3.5	15.8	75.0
Other	S	S	S
Physical/related sciences, total	2.1	14.2	79.7
White	1.9	14.3	78.7
Black	0.2	8.5	83.8
Hispanic	3.1	11.4	89.6
Asian	4.3	16.7	87.4
Other	12.6	25.0	74.3

See explanatory information, if any, and SOURCE at end of table.

Table B-6. Selected employment characteristics of U.S. scientists and engineers, by level and broad field of highest degree attained and race/ethnicity: 1997

Level and field of highest degree, and race/ethnicity	Unemployment rate	Involuntarily out-of-field rate	Labor force participation rate
Bachelor's — continued			
Social/related sciences, total	2.2%	15.6%	84.1%
White	2.1	15.0	83.5
Black	3.2	19.5	88.5
Hispanic	1.7	15.2	89.0
Asian	4.4	20.4	85.7
Other	2.2	25.7	80.0
Engineering, total	1.9	4.9	83.1
White	1.7	4.2	81.7
Black	3.4	10.0	93.3
Hispanic	3.2	4.8	92.8
Asian	2.8	9.9	90.1
Other	7.3	S	97.6
Non-S&E degree fields, total	1.6	8.8	92.1
White	1.4	8.8	91.9
Black	3.8	8.7	93.5
Hispanic	S	S	S
Asian	2.8	10.7	93.1
Other	S	S	S
Master's			
All degree fields, total	1.8%	6.4%	86.6%
White	1.7	6.3	86.0
Black	1.9	6.4	87.5
Hispanic	3.0	7.4	91.1
Asian	2.0	7.2	90.5
Other	3.9	9.2	92.6
S&E degree fields, total	1.7	6.6	85.8
White	1.6	6.4	84.9
Black	2.5	7.0	87.3
Hispanic	1.7	9.6	88.9
Asian	2.2	6.9	90.4
Other	7.0	12.9	91.8
Sciences, total	1.9	7.7	84.4
White	1.8	7.5	83.7
Black	2.6	7.4	86.2
Hispanic	1.4	12.5	86.5
Asian	2.6	8.5	88.5
Other	7.6	15.2	89.5
Computer/math sciences, total	2.0	4.0	89.5
White	1.9	4.1	88.1
Black	5.0	3.6	93.2
Hispanic	1.2	1.9	85.8
Asian	1.3	3.8	94.8
Other	30.0	S	100.0
Life/related sciences, total	2.0	7.9	81.1
White	1.7	8.1	80.8
Black	3.6	3.7	86.9
Hispanic	3.5	8.5	86.9
Asian	3.7	8.1	80.3
Other	S	16.6	S

See explanatory information, if any, and SOURCE at end of table.

Table B-6. Selected employment characteristics of U.S. scientists and engineers, by level and broad field of highest degree attained and race/ethnicity: 1997

Level and field of highest degree, and race/ethnicity	Unemployment rate	Involuntarily out-of-field rate	Labor force participation rate
Master's — continued			
Physical/related sciences, total	2.1%	8.5%	82.0%
White	1.6	7.6	81.5
Black	9.6	12.1	75.9
Hispanic	0.9	19.5	78.0
Asian	4.1	12.3	87.9
Other	S	S	S
Social/related sciences, total	1.8	9.4	83.6
White	1.8	8.8	83.3
Black	0.9	8.8	85.4
Hispanic	1.1	15.0	87.9
Asian	3.6	18.1	81.8
Other	3.2	19.8	90.2
Engineering, total	1.4	3.9	89.4
White	1.2	3.5	88.2
Black	1.9	4.7	95.3
Hispanic	2.3	S	93.5
Asian	1.7	5.2	92.6
Other	5.2	S	100.0
Non-S&E degree fields, total	1.9	6.3	87.4
White	1.9	6.2	87.0
Black	1.4	5.9	87.6
Hispanic	4.2	5.2	93.3
Asian	1.6	8.2	90.6
Other	S	S	S
Doctorate			
All degree fields, total	1.4%	4.8%	89.3%
White	1.3	4.8	88.6
Black	2.6	6.1	89.2
Hispanic	1.4	5.4	89.7
Asian	1.7	4.9	94.2
Other	1.1	4.4	82.5
S&E degree fields, total	1.4	4.6	89.8
White	1.3	4.4	89.0
Black	1.2	4.6	96.3
Hispanic	1.8	4.7	88.4
Asian	1.8	5.3	94.0
Other	1.2	5.1	93.6
Sciences, total	1.4	4.7	89.5
White	1.4	4.6	88.9
Black	1.2	4.7	95.9
Hispanic	1.2	3.3	88.2
Asian	1.6	5.7	92.8
Other	1.3	5.5	94.0

See explanatory information, if any, and SOURCE at end of table.

Table B-6. Selected employment characteristics of U.S. scientists and engineers, by level and broad field of highest degree attained and race/ethnicity: 1997

Level and field of highest degree, and race/ethnicity	Unemployment rate	Involuntarily out-of-field rate	Labor force participation rate
Doctorate — continued			
Computer/math sciences, total	0.9%	4.6%	93.3%
White	1.2	4.2	92.4
Black	0.5	S	99.5
Hispanic	S	3.7	S
Asian	0.1	6.6	98.1
Other	S	S	S
Life/related sciences, total	1.8	3.9	88.7
White	1.8	3.9	88.3
Black	1.5	4.3	94.3
Hispanic	0.3	2.0	86.4
Asian	2.0	4.7	90.8
Other	0.9	S	90.8
Physical/related sciences, total	1.6	5.8	88.2
White	1.5	5.8	86.8
Black	1.6	12.9	99.0
Hispanic	3.6	5.0	88.7
Asian	1.7	5.6	94.8
Other	S	13.1	S
Social/related sciences, total	0.9	4.6	90.4
White	0.9	4.6	90.2
Black	1.0	2.9	95.8
Hispanic	1.2	4.0	91.4
Asian	1.4	7.6	89.4
Other	2.1	4.9	93.6
Engineering, total	1.4	3.9	91.8
White	0.9	3.3	90.0
Black	1.3	S	99.3
Hispanic	4.9	12.7	89.1
Asian	2.3	4.6	96.5
Other	S	S	S
Non-S&E degree fields, total	1.4	6.2	86.6
White	1.3	6.4	86.4
Black	4.7	8.3	80.6
Hispanic	S	8.0	S
Asian	S	S	S
Other	S	S	S

¹ Includes professional degrees

NOTES: The term "Scientists and Engineers" (S&Es) includes all persons who have ever received a bachelor's degree or higher in a science or engineering (S&E) field, plus persons holding a non-S&E bachelor's or higher degree who were employed in a S&E occupation during either the 1993, 1995 or 1997 SESTAT surveys. Figures are rounded to nearest hundred. Details may not add to total because of rounding.

KEY: S = Suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation/Science Resources Studies Division, 1997 SESTAT (Scientists and Engineers Statistical Data System)