

**Table 29a. Standard errors on work-related training activities of doctoral scientists and engineers,  
by field of doctorate: 2001**

Training areas and reasons for taking training	Field of doctorate								
	All fields	Computer and mathematical sciences	Biological and agricultural sciences	Health sciences	Physical and related sciences	Social sciences	Psychology	Engineering	
Total (number).....	837.1	249.2	401.8	121.0	386.9	468.5	218.6	410.7	
				Percent					
Taken work-related training in the past year.....	0.3	1.2	0.6	1.4	0.6	0.8	0.7	0.8	
Did not take work-related training.....	0.3	1.2	0.6	1.4	0.6	0.8	0.7	0.8	
Total taking training (number).....	1,852.2	486.4	978.4	343.6	878.5	796.7	700.3	861.1	
Type of training:				Percent					
Management/supervisor training.....	0.4	1.5	0.8	1.7	0.9	1.1	0.7	0.9	
Training in occupational field.....	0.4	1.5	0.7	1.5	0.9	1.2	0.5	0.9	
General professional training.....	0.3	1.5	0.7	1.5	0.8	1.1	0.7	0.7	
Other work-related training.....	0.2	0.8	0.5	1.0	0.6	0.8	0.4	0.5	
Most important reason for taking training:									
To change occupational field.....	0.1	0.6	0.3	S	0.3	0.4	0.2	0.3	
Further skills in occupational field.....	0.4	1.6	0.8	1.8	1.0	1.1	0.9	1.1	
Licensure/certification.....	0.2	S	0.4	1.3	0.3	0.5	0.8	0.3	
Increase opportunities.....	0.2	0.8	0.3	0.7	0.4	0.5	0.3	0.5	
Learn skills for new position.....	0.2	1.0	0.4	0.9	0.5	0.6	0.3	0.6	
Required or expected by employer.....	0.2	1.1	0.5	1.0	0.7	0.8	0.4	0.6	
Other reasons.....	0.1	S	0.2	S	0.3	0.5	0.3	0.3	

**KEY:** S = Suppressed due to too few cases in the estimate (fewer than 500 weighted cases).

**NOTE:** Survey of Doctorate Recipients includes persons who had earned a science or engineering research doctorate from an U.S. institution and resided in U.S. as of April 2001.

**SOURCE:** National Science Foundation/Division of Science Resources Statistics, 2001 Survey of Doctorate Recipients