

## Codebook A: Scientific Occupations in United States Census and American Community Surveys

### 1960 Census

#### (1) Physical Science

<u>Code:</u>	<u>Title:</u>
21	Chemists
34	Professors and instructors, chemistry
41	Professors and instructors, geology and geophysics
45	Professors and instructors, physics
134	Geologists and geophysicists
140	Physicists

#### (2) Biological Sciences

<u>Code:</u>	<u>Title:</u>
31	Professors and instructors, agricultural sciences
32	Professors and instructors, biological sciences
43	Professors and instructors, medical sciences
52	Professors and instructors, natural sciences (n.e.c.)
130	Agricultural scientists
131	Biological scientists
145	Miscellaneous natural scientists

#### (3) Mathematical Sciences

<u>Code:</u>	<u>Title:</u>
42	Professors and instructors, mathematics
51	Professors and instructors, statistics
135	Mathematicians
174	Statisticians and actuaries

#### (4) Engineering

<u>Code:</u>	<u>Title:</u>
40	Professors and instructors, engineering
80	Engineers, aeronautical
81	Engineers, chemical
82	Engineers, civil
83	Engineers, electrical
84	Engineers, industrial
85	Engineers, mechanical
90	Engineers, metallurgical and metallurgists
91	Engineers, mining
92	Engineers, sales
93	Engineers, n.e.c.

#### (5) Computer Science

<u>Code:</u>	<u>Title:</u>
N/A	

## 1970 Census

### **(1) Physical Science**

<u>Code:</u>	<u>Title:</u>
43	Atmospheric and space scientists
45	Chemists
51	Geologists
53	Physicists and astronomers
54	Life and physical scientists, n.e.c.
103	Atmospheric, earth, marine, and space teachers
105	Chemistry teachers
110	Physics teachers

### **(2) Biological Sciences**

<u>Code:</u>	<u>Title:</u>
42	Agricultural scientists
44	Biological scientists
52	Marine scientists
102	Agriculture teachers
104	Biology teachers

### **(3) Mathematical Sciences**

<u>Code:</u>	<u>Title:</u>
34	Actuaries
35	Mathematicians
36	Statisticians
112	Mathematics teachers

### **(4) Engineering**

<u>Code:</u>	<u>Title:</u>
6	Aeronautical and astronautical engineers
10	Chemical engineers
11	Civil engineers
12	Electrical and electronic engineers
13	Industrial engineers
14	Mechanical engineers
15	Metallurgical and materials engineers
20	Mining engineers
21	Petroleum engineers
22	Sales engineers
23	Engineers, n.e.c.
111	Engineering teachers

### **(5) Computer Science**

<u>Code:</u>	<u>Title:</u>
3	Computer programmers
4	Computer systems analysts
5	Computer specialists, n.e.c.
55	Operations and system researchers and analysts

## 1980 Census

### **(1) Physical Science**

<u>Code:</u>	<u>Title:</u>
69	Physicists and astronomers
73	Chemists, except biochemists
74	Atmospheric and space scientists
75	Geologists and geodesists
76	Physical scientists, n.e.c.
115	Chemistry teachers
116	Physics teachers

### **(2) Biological Sciences**

<u>Code:</u>	<u>Title:</u>
77	Agricultural and food scientists
78	Biological and life scientists
79	Forestry and conservation scientists
83	Medical scientists
113	Earth, environmental, and marine science teachers
114	Biological science teachers
117	Natural science teachers, n.e.c.
133	Medical science teachers
136	Agriculture and forestry teachers

### **(3) Mathematical Sciences**

<u>Code:</u>	<u>Title:</u>
66	Actuaries
67	Statisticians
68	Mathematical scientists, n.e.c.
128	Mathematical science teachers

### **(4) Engineering**

<u>Code:</u>	<u>Title:</u>
44	Aerospace engineers
45	Metallurgical and materials engineers
46	Mining engineers
47	Petroleum engineers
48	Chemical engineers
49	Nuclear engineers
53	Civil engineers
54	Agricultural engineers
55	Electrical and electronic engineers
56	Industrial engineers
57	Mechanical engineers
58	Marine and naval architects
59	Engineers, n.e.c.
127	Engineering teachers
258	Sales engineers

### **(5) Computer Science**

<u>Code:</u>	<u>Title:</u>
64	Computer systems analysts and scientists

65	Operations and systems researchers and analysts
129	Computer science teachers
229	Computer programmers

## **1990 Census**

### **(1) Physical Science**

<u>Code:</u>	<u>Title:</u>
69	Physicists and astronomers
73	Chemists, except biochemists
74	Atmospheric and space scientists
75	Geologists and geodesists
76	Physical scientists, n.e.c.
115	Chemistry teachers
116	Physics teachers

### **(2) Biological Sciences**

<u>Code:</u>	<u>Title:</u>
77	Agricultural and food scientists
78	Biological and life scientists
79	Forestry and conservation scientists
83	Medical scientists
113	Earth, environmental and marine science teachers
114	Biological science teachers
117	Natural science teachers, n.e.c.
133	Medical science teachers
136	Agriculture and forestry teachers

### **(3) Mathematical Sciences**

<u>Code:</u>	<u>Title:</u>
66	Actuaries
67	Statisticians
68	Mathematical scientists, n.e.c.
128	Mathematical science teachers

### **(4) Engineering**

<u>Code:</u>	<u>Title:</u>
44	Aerospace engineers
45	Metallurgical and materials engineers
46	Mining engineers
47	Petroleum engineers
48	Chemical engineers
49	Nuclear engineers
53	Civil engineers
54	Agricultural engineers
55	Electrical and electronic engineers
56	Industrial engineers
57	Mechanical engineers
58	Marine and naval architects
59	Engineers, n.e.c.
127	Engineering teachers
258	Sales engineers

### **(5) Computer Science**

<u>Code:</u>	<u>Title:</u>
64	Computer systems analysts and scientists
65	Operations and systems researchers and analysts
129	Computer science teachers
229	Computer programmers

### **2000 Census**

#### **(1) Physical Science**

<u>Code:</u>	<u>Title:</u>
170	Astronomers and physicists
171	Atmospheric and space scientists
172	Chemists and materials scientists
174	Environmental scientists and geoscientists
176	Physical scientists, all other

#### **(2) Biological Sciences**

<u>Code:</u>	<u>Title:</u>
160	Agricultural and food scientists
161	Biological scientists
164	Conservation scientists and foresters
165	Medical scientists

#### **(3) Mathematical Sciences**

<u>Code:</u>	<u>Title:</u>
120	Actuaries
121	Mathematicians
123	Statisticians
124	Miscellaneous mathematical science occupations

#### **(4) Engineering**

<u>Code:</u>	<u>Title:</u>
132	Aerospace engineers
133	Agricultural engineers
134	Biomedical engineers
135	Chemical engineers
136	Civil engineers
140	Computer hardware engineers
141	Electrical and electronics engineers
142	Environmental engineers
143	Industrial engineers, including health and safety
145	Materials engineers
146	Mechanical engineers
150	Mining and geological engineers, including mining safety engineers
151	Nuclear engineers
152	Petroleum engineers
153	Engineers, all other
493	Sales engineers

### **(5) Computer Science**

<u>Code:</u>	<u>Title:</u>
100	Computer scientists and systems analysts
101	Computer programmers
102	Computer software engineers
106	Database administrators
110	Network and computer systems administrators
111	Network systems and data communications analysts
122	Operations research analysts
790	Computer control programmers and operators

### **2006-2008 American Community Survey**

#### **(1) Physical Science**

<u>Code:</u>	<u>Title:</u>
170	Astronomers and physicists
171	Atmospheric and space scientists
172	Chemists and materials scientists
174	Environmental scientists and geoscientists
176	Physical scientists, all other

#### **(2) Biological Sciences**

<u>Code:</u>	<u>Title:</u>
160	Agricultural and food scientists
161	Biological scientists
164	Conservation scientists and foresters
165	Medical scientists

#### **(3) Mathematical Sciences**

<u>Code:</u>	<u>Title:</u>
120	Actuaries
124	Miscellaneous mathematical science occupations

#### **(4) Engineering**

<u>Code:</u>	<u>Title:</u>
132	Aerospace engineers
134	Biomedical and agricultural engineers
135	Chemical engineers
136	Civil engineers
140	Computer hardware engineers
141	Electrical and electronics engineers
142	Environmental engineers
143	Industrial engineers, including health and safety
145	Materials engineers
146	Mechanical engineers
152	Petroleum, mining and geological engineers, including mining safety engineers
153	Miscellaneous engineers, including nuclear engineers
493	Sales engineers

#### **(5) Computer Science**

<u>Code:</u>	<u>Title:</u>
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100	Computer scientists and systems analysts
101	Computer programmers
102	Computer software engineers
106	Database administrators
110	Network and computer systems administrators
111	Network systems and data communications analysts
122	Operations research analysts
790	Computer control programmers and operators