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OCCUPATIONAL
PROJECTIONS

Where The Iowa Jobs Are 1970-75

Do you know where the jobs will be in the next five years? You probably should before you make a definite career selection. So, the Iowa Employment Security Commission has published this information to help you determine which occupations are growing and will need people to fill them. This information is taken from the commission's "Projected Manpower Needs for Iowa 70 - 75." The figures are projections, based on the number of people needed to replace workers who retire or die and the number of people needed because of expansion of the addition of new jobs in an occupation.

For example, 10,334 new teachers will be needed in the five year period from 1970 to 1975. Of this figure, 5,539 will be required to replace teachers who retire or die and 4,795 teachers will be needed to fill openings created by growth or expansion in the occupation.

Not all occupations are growing. For example, the number of locomotive firemen needed for expansion will actually be minus 237. In other words, there will be fewer jobs in that occupation by 1975 than there are in 1970. The number of replacements needed in the locomotive firemen occupation will only be 15 workers which makes the total needs for locomotive firemen from 1970-75, minus 222.

This material shouldn't be the only source for determining your future in any selected occupation. It is only a guideline to indicate where the needs are. Sometimes an occupation shows a high need for workers but, at the same time, a large number of persons are entering the field. The draftsman occupation shows a need of 558 workers. But if 600 persons become trained and available for the job over the next five years, a surplus of 42 draftsmen could exist in Iowa. You might be one of the large group of draftsmen hired but you should consult other sources before making up your mind.

Other sources you will want to consult are school counselors, the Iowa State Employment Service, literature on your career interests or a person already working at the job you are considering. From them, you can gain such information as what education is needed for the job, whether you have the aptitudes or skills for the job, what the pros and cons of the job are, if the job is available in the area where you wish to live and where to find out more about the job.

The population is growing, the labor market will continue to grow and the manpower needs of Iowa will likewise grow. So with the following material, your other sources and a great deal of self-searching, you should be well on your way to finding a good career in Iowa.

The Iowa State Employment Service offers you all the help we can give you in your search.

Where The Iowa Jobs Are

1970-75

	Expansion Needs	Replacement Needs	Total Needs
Total all occupations	68,187	131,830	200,017
I. Professional, Technical, Kindred	20,050	17,184	37,234
A. Engineers, Technical	1,968	789	2,757
Engineers, Aeronautical	13	2	15
Engineers, Chemical	36	11	47
Engineers, Civil	329	227	556
Engineers, Electrical	390	114	504
Engineers, Industrial	423	120	543
Engineers, Mechanical	355	168	523
Engineers, Metallurg., etc.	21	8	29
Engineers, Mining	0	1	1
Other Engineers, Technical	401	138	539
B. Natural Scientists	319	98	417
Chemists	159	49	208
Agricultural Scientists	66	28	94
Biological Scientists	45	12	57
Geologists, Geophysicists	13	3	16
Mathematicians	4	0	4
Physicists	28	4	32
Other Natural Scientists	4	2	6
C. Technicians, Exc. Medical, Dental	1,983	563	2,546
Draftsmen	439	119	558
Surveyors	212	77	289
Air Traffic Controllers		(Included with Radio Operators)	
Radio Operators	37	10	47
Technicians, Other	1,295	357	1,652
D. Medical, other Health Workers	3,876	4,135	8,011
Dentists	151	180	331
Dietitians, Nutritionists	28	53	81
Nurses, Professional	1,787	2,065	3,852
Optometrists	8	27	35
Osteopaths	14	29	43
Pharmacists	69	201	270
Physicians and Surgeons	542	431	973
Psychologists	56	27	83
Technicians, Medical and Dental	955	603	1,558
Veterinarians	121	120	241
Other Medical, Health Workers	145	399	544

	<u>Expansion Needs</u>	<u>Replacement Needs</u>	<u>Total Needs</u>
E. Teachers	4,795	5,539	10,334
Teachers, Elementary	993	3,060	4,053
Teachers, Secondary	2,322	1,559	3,881
Teachers, College	1,199	641	1,840
Teachers, Other	281	279	560
F. Social Scientists	60	33	93
Economists	31	16	47
Statisticians and Actuaries	25	16	41
Other Social Scientists	4	1	5
G. Other Prof., Tech., and Kindred	7,049	6,027	13,076
Accountants and Auditors	836	756	1,592
Airplane Pilots, Navigators	35	33	68
Architects	65	51	116
Workers in Arts, Entertainments	1,352	1,548	2,900
Clergymen	726	814	1,540
Designers, Exc. Design Draft	102	49	151
Editors and Reporters	117	255	372
Lawyers and Judges	173	451	624
Librarians	235	333	568
Personnel and Labor Rel. Workers	285	187	472
Photographers	11	60	71
Social and Welfare Workers	326	260	586
Prof. Tech., and Kindred NEC *	2,786	1,230	4,016
II. Managers, Officials, Proprietors	5,184	10,429	15,613
Conductors, Railroad	-17	122	105
Creditmen	127	74	201
Officers, Pilots, Engrs., Ship.	1	5	6
Postmasters & Assistants	11	213	224
Purchasing Agents	134	169	303
Managers, Officials, Prop. NEC	4,928	9,846	14,774
III. Clerical and Kindred Workers	19,641	24,796	44,437
A. Stenos, Typists, and Secretaries	5,579	6,976	12,555
B. Office Machine Operators	832	920	1,752
C. Other Clerical and Kindred Workers	13,230	16,900	30,130
Accounting Clerks		(Included with Bookkeepers, Hand)	
Bookkeepers, Hand	1,410	3,079	4,489
Bank Tellers	574	403	977
Cashiers	2,303	1,866	4,169
Mail Carriers	730	409	1,139
Postal Clerks	719	467	1,186
Shipping, Receiving Clerks	34	205	239
Telephone Operators	177	1,033	1,210
Clerical and Kindred, NEC	7,283	9,438	16,721

* Not Elsewhere Classified

	<u>Expansion Needs</u>	<u>Replacement Needs</u>	<u>Total Needs</u>
.V. Sales Workers	5,776	10,809	16,585
V. Craftsmen, Foremen, and Kindred	11,324	13,090	24,414
A. Construction Craftsmen	1,570	3,711	5,281
Carpenters	52	1,503	1,555
Brickmasons and Tilesetters	116	175	291
Cement, Concrete Finishers	51	33	84
Electricians	294	360	654
Excavating, Grading Mach. Opr.	394	323	717
Painters and Paperhangers	32	638	670
Plasterers	20	48	68
Plumbers and Pipefitters	442	473	915
Roofers and Slaters	51	68	119
Structural Metalworkers	118	90	208
B. Foremen NEC	2,254	1,884	4,138
C. Metalworking Crafts Exc. Mech.	570	1,133	1,703
Machinists and Related Occ.	109	566	675
Blacksmiths, Forgemen, Hammermen	-40	63	23
Boilermakers	9	17	26
Heat Treaters, Annealers	14	22	36
Millwrights	57	61	118
Moulders, Metal, Exc. Coremakers	54	65	119
Patternmakers, Metal, Wood	47	44	91
Rollers and Roll Hands	3	3	6
Sheet Metal Workers	154	126	280
Toolmakers and Diemakers	163	166	329
D. Printing Trades Craftsmen	26	402	428
Compositors, Typesetters	-169	244	75
Electrotypers, Stereotypers	-16	8	-8
Engravers, Exc. Photoengravers	8	8	16
Photoengravers, Lithographers	95	35	130
Pressmen, Plate Printers	108	107	215
E. Transport. and Public Util. Craftsmen	18	452	470
Linemen, Servicemen	260	208	468
Locomotive Engineers	-5	229	224
Locomotive Firemen	-237	15	-222
F. Mechanics and Repairmen	5,442	3,910	9,352
Airplane Mech. and Repairmen	29	13	42
Motor Vehicle Mechanics	1,214	997	2,211
Office Machine Mechanics	88	26	114
Radio and T. V. Mechanics	72	81	153
RR and Car Shop Mechanics	2	68	70
Other Mechanics and Repair	4,037	2,725	6,762

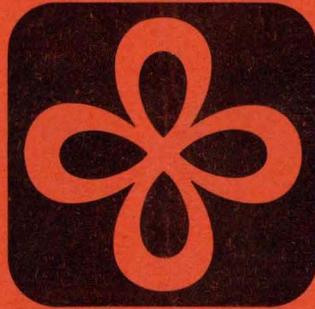
	<u>Expansion Needs</u>	<u>Replacement Needs</u>	<u>Total Needs</u>
G. Other Craftsmen and Kindred	1,444	1,598	3,042
Bakers	-57	184	127
Cabinetmakers	81	130	211
Crane, Derrick, Hoist Men	170	123	293
Glaziers	55	21	76
Jewelers and Watchmakers	8	75	83
Loom Fixers	0	0	0
Opticians, Lens Grinders	34	25	59
Inspectors, Log and Lumber	8	9	17
Inspectors, Other	154	187	341
Upholsterers	52	71	123
Craftsmen and Kindred NEC	939	773	1,712
VI. Operatives and Kindred Workers	11,758	14,314	26,072
A. Drivers and Deliverymen	2,917	2,814	5,731
Drivers, Bus, Truck, Tractor	2,059	2,065	4,124
Deliverymen and Routemen	858	749	1,607
B. Transp. and Public Util. Operatives	-26	248	222
Brakemen and Switchmen RR	-28	212	184
Power Station Operators	5	34	39
Sailors and Deckhands	-3	2	-1
C. Semi-skilled Metalworking Occu.	1,428	637	2,065
Furnacemen, Smeltermen, Pourers	33	33	66
Heaters, Metal	0	0	0
Welders, Flamecutters	1,395	604	1,999
Assemblers, Metalworkers, Class A			
Assemblers, Metalworkers, Class B			
Inspectors, Metalworkers, Class B			
Machine Tool Operators, Class B			
Electroplaters			
Electroplaters, Helpers			
		(Included in Operatives and Kindred, NEC)	
D. Semi-skilled Textile Occ.	189	412	601
Knitters, Loopers, Toppers	3	6	9
Spinners, Textile	-1	1	0
Weavers, Textile	-2	15	13
Sewers and Stitchers, Mfg.	189	390	579
E. Other Operatives and Kindred	7,250	10,203	17,453
Asbestos, Insulation Workers	30	27	57
Attendants, Auto Service, Parking	645	450	1,095
Blasters, Powdermen	6	3	9
Laundry, Dry Cleaning Opr.	98	739	837
Meat Cutters, Exc. Meatpacking	110	287	397
Mine Operatives, Laborers NEC	-3	77	74
Operatives and Kindred NEC	6,364	8,620	14,984

	<u>Expansion Needs</u>	<u>Replacement Needs</u>	<u>Total Needs</u>
vii. Service Workers	18,464	24,540	43,004
A. Private Household Workers	547	4,260	4,807
B. Protective Service Workers	862	1,018	1,880
Firemen	235	249	484
Guards, Watchmen, Doorkeepers	70	482	552
Policemen, other Law Enforce.	557	287	844
C. Food Service Workers	5,782	6,446	12,228
Bartenders	379	450	829
Cooks, Exc. Private Household	2,131	2,500	4,631
Counter and Fountain Workers	535	385	920
Waiters and Waitresses	2,737	3,111	5,848
D. Other Service Workers	11,273	12,816	24,089
Airline Stewards, Stewardesses		(Included in Service Workers, NEC)	
Attendants, Hospital, Other Inst.	3,532	2,803	6,335
Charwomen and Cleaners	755	758	1,513
Janitors and Sextons	2,169	3,350	5,519
Nurses, Practical	986	994	1,980
Service Workers NEC	3,831	4,911	8,742
VIII. Laborers, Except Farm and Mine	-136	3,590	3,454
IX. Farmers and Farm Workers	-23,874	13,078	-10,796

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