



2030 OCCUPATIONAL PROJECTIONS BY EDUCATION

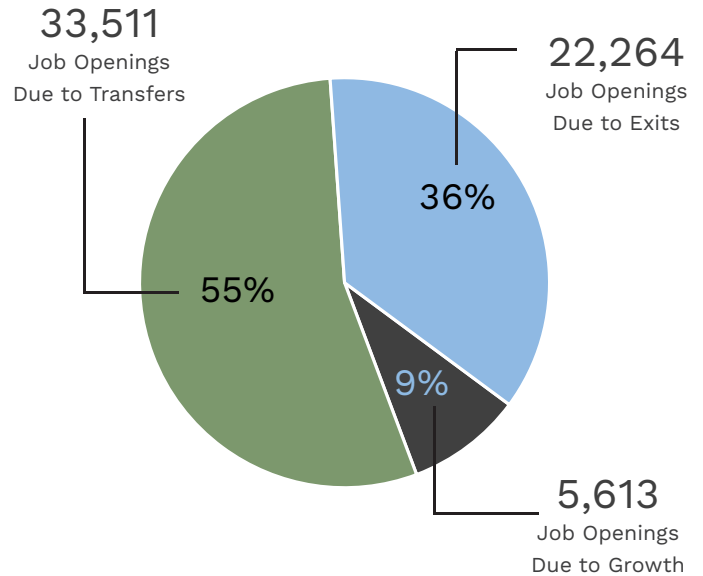
THE BIG PICTURE

Employment in Rhode Island is projected to grow at all education and skill levels, from jobs requiring less than a high school diploma to those requiring advanced degrees. During the 2020-2030 projection period, it is estimated that employers will need to find workers to fill over 56,000 new jobs and to replace over 557,000 workers who will leave their jobs for various reasons.

Parallel to the national distribution, jobs requiring a high school diploma for entry into an occupation represent the largest portion of the Rhode Island labor market. Thirty six percent of Rhode Island jobs typically require a high school education; slightly lower than the national percentage (38.4%). Between 2020 and 2030, there are nearly 218,000 openings projected for occupations at this educational level.

Jobs requiring college degrees (Associate, Bachelor's, Master's or Doctoral) represent nearly thirty three percent (32.8%) of the current occupational distribution in Rhode Island, slightly higher than the national average (30.1%). During the projection period it is estimated that there will be more than 144,000 openings for occupations requiring a minimum of an Associate degree in Rhode Island.

ANNUAL OPENINGS



EDUCATIONAL REQUIREMENTS FOR EMPLOYMENT IN RHODE ISLAND

Typical Education Needed For Job	Employment		Exits	Openings Due To		Total Openings
	2020	2030		Transfers	Growth	
Grand Total	491,000	547,130	222,641	335,114	56,130	613,885
Doctoral or professional degree	19,612	20,800	5,250	5,492	1,188	11,930
Master's degree	11,330	12,424	3,528	5,426	1,094	10,048
Bachelor's degree	118,822	131,959	34,277	63,662	13,137	111,076
Associate degree	11,071	12,361	3,805	6,483	1,290	11,578
Postsecondary non-degree award	35,084	38,704	16,320	22,226	3,620	42,166
Some college, no degree	12,254	12,946	5,898	6,443	692	13,033
High school diploma or equivalent	175,684	190,974	78,789	123,590	15,290	217,669
No formal educational credential	107,143	126,962	74,774	101,792	19,819	196,385

TOP 10 OCCUPATIONS BY EDUCATIONAL ATTAINMENT IN RHODE ISLAND

Doctoral or Professional Degree

These occupations represent 4.0 percent (19,612) of the employment in RI. During the projection period it is expected that the state's economy will generate nearly 12,000 openings requiring a doctoral or professional degree.

Percent of Jobs in RI - 4.0%

Percent of Jobs in USA - 2.6%

Estimated Employment in RI - 19,612

Projected Employment in RI - 20,800

Occupation	Employment		Total	2021
	2020	2030	Openings	Wage
Lawyers	3,859	4,228	2,239	\$72.74
Pharmacists	1,413	1,462	589	\$58.67
Physical Therapists	1,030	1,194	615	\$46.12
General Internal Medicine Physicians	876	875	239	#
Dentists, General	652	660	184	#
Clinical, Counseling, & School Psychologists	604	641	442	NA
Business Teachers, Postsecondary	426	442	413	\$102,130
Medical Scientists (Except Epidemiologists)	388	455	366	\$39.27
Health Specialties Teachers, Postsecondary	386	466	470	\$102,130
Veterinarians	327	414	204	\$58.20

Master's Degree

These occupations represent 2.3 percent (11,330) of the employment in RI. During the projection period it is expected that the state's economy will generate over 10,000 openings requiring a master's degree.

Percent of Jobs in RI - 2.3%

Percent of Jobs in USA - 1.7%

Estimated Employment in RI - 11,330

Projected Employment in RI - 12,424

Occupation	Employment		Total	2021
	2020	2030	Openings	Wage
Nurse Practitioners	1,052	1,248	797	\$60.36
Education Administrators, Elementary & Secondary School	1,002	1,053	782	\$100,010
Educational, Guidance & Vocational Counselors	931	1,012	973	\$29.46
Instructional Coordinators	884	951	920	\$29.84
Education Administrators, Postsecondary	784	825	614	\$57.57
Healthcare Social Workers	724	785	750	\$37.92
Librarians & Media Collections Specialists	636	693	674	\$30.07
Physician Assistants	629	681	412	\$61.39
Occupational Therapists	545	607	374	\$46.09
Mental Health & Substance Abuse Social Workers	516	564	540	\$36.74

Bachelor's Degree

These occupations represent 24.2 percent (118,822) of the employment in RI. During the projection period it is expected that the state's economy will generate over 110,000 openings requiring a bachelor's degree.

Percent of Jobs in RI - 24.2%

Percent of Jobs in USA - 23.5%

Estimated Employment in RI - 118,822

Projected Employment in RI - 131,959

Occupation	Employment		Total	2021
	2020	2030	Openings	Wage
Registered Nurses	12,677	13,344	7,411	\$37.93
Accountants & Auditors	5,496	6,157	5,737	\$38.41
General & Operations Managers	5,432	6,257	5,616	\$57.43
Management Analysts	4,383	5,144	5,034	\$47.76
Secondary School Teachers (Except Special and Career/Technical Education)	4,140	4,347	3,054	\$76,880
Elementary School Teachers (Except Special Education)	3,822	3,997	2,942	\$76,880
Software Developers & Software Quality Assurance Analysts & Testers	3,750	4,802	4,141	NA
Market Research Analysts & Marketing Specialists	2,740	3,443	3,695	\$30.40
Substitute Teachers, Short-Term	2,281	2,508	2,939	\$14.49
Computer Systems Analysts	2,237	2,528	1,928	\$49.23

TOP 10 OCCUPATIONS BY EDUCATIONAL ATTAINMENT IN RHODE ISLAND

Associate Degree

These occupations represent 2.3 percent (11,071) of the employment in RI. During the projection period it is expected that the state's economy will generate more than 11,000 openings requiring an associate degree.

Percent of Jobs in RI - 2.3%

Percent of Jobs in USA - 2.3%

Estimated Employment in RI - 11,071

Projected Employment in RI - 12,361

Occupation	Employment		Total Openings	2021 Wage
	2020	2030		
Paralegals & Legal Assistants	1,255	1,519	1,737	\$28.12
Preschool Teachers (Except Special Education)	1,252	1,478	1,582	\$14.08
Computer Network Support Specialists	1,073	1,212	959	NA
Dental Hygienists	993	1,022	642	\$37.49
Radiologic Technologists	803	827	596	\$37.00
Human Resources Assistants (Except Payroll & Timekeeping)	533	525	516	\$22.73
Veterinary Technologists & Technicians	437	549	459	\$17.88
Electrical & Electronics Engineering Technicians	396	429	411	\$35.53
Respiratory Therapists	371	440	258	\$29.91
Physical Therapist Assistants	332	434	555	\$32.85

Postsecondary Non-Degree Award

These occupations represent 7.1 percent (35,084) of the employment in RI. During the projection period it is expected that the state's economy will generate more than 42,000 openings requiring a postsecondary award.

Percent of Jobs in RI - 7.1%

Percent of Jobs in USA - 6.2%

Estimated Employment in RI - 35,084

Projected Employment in RI - 38,704

Occupation	Employment		Total Openings	2021 Wage
	2020	2030		
Nursing Assistants	9,249	10,135	12,579	\$17.84
Heavy & Tractor-Trailer Truck Drivers	4,096	4,621	5,265	\$24.01
Hairdressers, Hairstylists, and Cosmetologists	3,039	3,363	3,798	\$13.99
Automotive Service Technicians & Mechanics	2,845	3,033	3,055	\$22.91
Medical Assistants	2,823	3,140	3,768	\$18.20
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	1,405	1,585	1,583	\$29.13
Firefighters	1,373	1,523	1,216	\$30.33
Licensed Practical & Licensed Vocational Nurses	1,214	1,303	1,038	\$28.96
Phlebotomists	915	1,007	1,204	\$22.22
Telecommunications Equipment Installers & Repairers (Except Line Installers)	820	936	1,094	\$31.04

High School Diploma or GED

These occupations represent 35.8% (175,684) of the employment in RI. During the projection period it is expected that the state's economy will generate over 217,000 openings requiring a high school diploma or GED.

Percent of Jobs in RI - 35.8%

Percent of Jobs in USA - 38.4%

Estimated Employment in RI - 175,684

Projected Employment in RI - 190,974

Occupation	Employment		Total Openings	2021 Wage
	2020	2030		
Office Clerks, General	9,487	9,659	11,073	\$21.04
Customer Service Representatives	8,792	8,807	11,072	\$18.21
Home Health & Personal Care Aides	7,408	9,445	12,203	\$14.09
Secretaries & Administrative Assistants (Except Legal, Medical, and Executive)	5,625	5,289	5,488	\$22.62
Sales Representatives, Wholesale & Manufacturing (Except Technical & Scientific Products)	5,216	5,733	5,834	\$30.24
Stockers & Order Fillers	4,829	5,694	8,992	\$14.58
First-Line Supervisors of Retail Sales Workers	4,667	5,060	5,481	\$23.22
Maintenance & Repair Workers, General	4,441	4,990	4,962	\$22.99
Receptionists & Information Clerks	4,259	4,404	5,555	\$17.67
Carpenters	3,799	4,231	4,109	\$26.57

No Educational Credential

These occupations represent 21.8 percent (107,143) of the employment in RI. During the projection period it is expected that the state's economy will generate over 195,000 openings for which no formal educational credential is required.

Percent of Jobs in RI - 21.8%
Percent of Jobs in USA - 22.6%
Estimated Employment in RI - 107,143
Projected Employment in RI - 126,962

Occupation	Employment		Total	2021
	2020	2030	Openings	Wage
Cashiers	12,737	12,677	22,916	\$13.70
Retail Salespersons	10,580	12,300	17,565	\$14.18
Laborers & Freight, Stock & Material Movers	7,777	8,977	12,155	\$16.97
Fast Food & Counter Workers	7,474	9,358	18,941	\$13.47
Waiters & Waitresses	6,892	9,118	17,662	\$12.56
Janitors & Cleaners	6,887	7,359	9,910	\$14.53
Landscaping & Groundskeeping Workers	5,488	5,992	7,894	\$18.24
Maids & Housekeeping Cleaners	4,696	5,832	8,099	\$14.84
Cooks, Fast Food	4,204	4,450	6,495	\$12.79
Construction Laborers	3,906	4,699	4,970	\$22.97

NA: Wage or Employment Not Available

#: Indicates a wage greater than \$100.00 per hour or \$208,000 per year

TYPICAL WORK EXPERIENCE FOR EMPLOYMENT IN RHODE ISLAND

Typical Work Experience Needed	Employment		Openings Due To			Total
	2020	2030	Exits	Transfers	Growth	Openings
Grand Total	527,633	547,985	234,372	371,517	20,352	626,241
5 years or more	18,191	20,525	4,893	10,807	2,334	18,034
Less than 5 years	46,436	54,091	18,025	32,417	7,655	58,097
None	426,373	472,514	199,723	291,890	46,141	537,754

TYPICAL ON-THE-JOB TRAINING FOR EMPLOYMENT IN RHODE ISLAND

Typical Education Needed For Job	Employment		Openings Due To			Total
	2020	2030	Exits	Transfers	Growth	Openings
Grand Total	527,633	547,985	234,372	371,517	20,352	626,241
Internship/residency	8,474	8,834	1,836	2,389	360	4,585
Apprenticeship	9,118	10,434	2,834	6,621	1,316	10,771
Long-term on-the-job training	17,764	19,527	6,515	11,178	1,763	19,456
Moderate-term on-the-job training	79,297	86,241	30,295	53,246	6,944	90,485
Short-term on-the-job training	181,165	205,385	114,573	154,213	24,220	293,006
None	195,182	216,709	66,588	107,467	21,527	195,582

Visit <https://dlt.ri.gov/labor-market-information/data-center/2030-industry-occupational-projections>



A publication of the Labor Market Information Division

RI Department of Labor and Training, 1511 Pontiac Ave., Cranston, RI 02920 www.dlt.ri.gov TTY via RI Relay 711

Equal Opportunity Employer. Auxiliary aids and services available upon request to individuals with disabilities.

Published: December 2022