

# 2028 OCCUPATIONAL PROJECTIONS BY EDUCATION

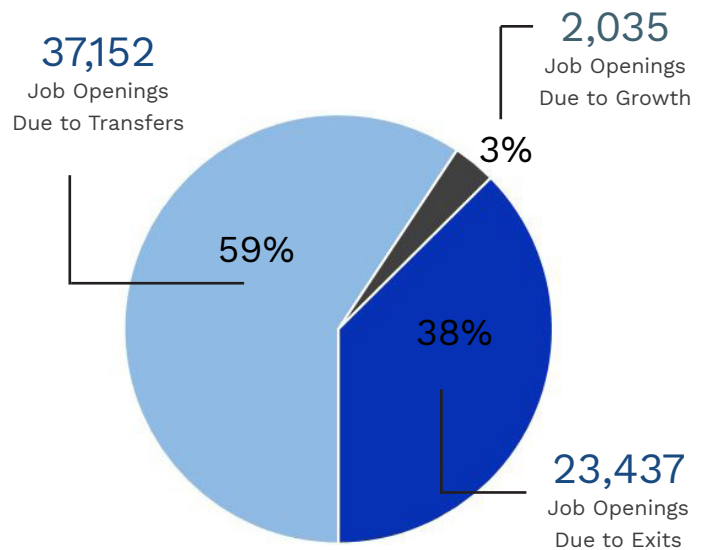
## THE BIG PICTURE

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 2018-2028 projection period, it is estimated that employers will need to find workers to fill over 20,000 new jobs and to replace over 600,000 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 seven percent of Rhode Island jobs typically require a high school education; slightly lower than the national percentage (38.8%). Between 2018 and 2028, there are over 235,000 openings projected for occupations at this educational level.

Jobs requiring college degrees (Associate, Bachelor's, Master's or Doctoral) represent nearly thirty percent (29.6%) of the current occupational distribution in Rhode Island, slightly higher than the national average (28.6%). During the projection period it is estimated that there will be more than 135,000 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		Openings Due To			Total Openings
	2018	2028	Exits	Transfers	Growth	
Grand Total	527,633	547,985	234,372	371,517	20,352	626,241
Doctoral or professional degree	20,889	21,274	4,966	5,958	390	11,314
Master's degree	10,796	11,560	3,251	5,777	743	9,771
Bachelor's degree	112,827	119,871	31,711	64,487	7,047	103,245
Associate degree	11,775	12,348	3,755	6,626	573	10,954
Postsecondary non-degree award	35,013	36,684	15,214	22,066	1,673	38,953
Some college, no degree	13,542	13,415	7,089	7,569	-126	14,532
High school diploma or equivalent	196,647	200,553	87,956	143,236	3,914	235,106
No formal educational credential	121,635	127,713	80,381	115,749	6,080	202,210

## TOP 10 OCCUPATIONS BY EDUCATIONAL ATTAINMENT IN RHODE ISLAND

### Doctoral or Professional Degree

These occupations represent 4.0 percent (20,889) 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 a doctoral or professional degree.

**Percent of Jobs in RI - 4.0%**

**Percent of Jobs in USA - 2.7%**

**Projected Employment in RI - 21,274**

Occupation	Employment		Total Openings	2020 Wage
	2018	2028		
Lawyers	3,993	4,129	2,086	\$58.40
Clinical, Counseling, & School Psychologists	1,312	1,482	1,150	\$41.75
Pharmacists	1,690	1,669	733	\$58.86
Physical Therapists	1,052	1,163	573	\$41.31
Business Teachers, Postsecondary	378	423	376	\$104,280
Health Specialties Teachers, Postsecondary	328	395	366	\$99,090
Nursing Instructors & Teachers, Postsecondary	260	303	276	\$84,530
English Language & Literature Teachers, Postsecondary	316	321	268	\$81,070
Veterinarians	362	420	210	\$54.58
Engineering Teachers, Postsecondary	202	219	191	\$103,600

### Master's Degree

These occupations represent 2.0 percent (10,796) of the employment in RI. During the projection period it is expected that the state's economy will generate nearly 10,000 openings requiring a master's degree.

**Percent of Jobs in RI - 2.0%**

**Percent of Jobs in USA - 1.7%**

**Projected Employment in RI - 11,560**

Occupation	Employment		Total Openings	2020 Wage
	2018	2028		
Educational, Guidance, School, & Vocational Counselors	1,040	1,095	1,147	\$29.83
Instructional Coordinators	857	880	830	\$28.82
Librarians	739	774	787	\$32.12
Education Administrators, Elementary & Secondary School	933	949	745	\$110,150
Healthcare Social Workers	640	682	687	\$33.47
Education Administrators, Postsecondary	783	818	656	\$53.80
Rehabilitation Counselors	629	634	652	\$33.90
Nurse Practitioners	906	1,038	612	\$56.46
Art, Drama, & Music Teachers, Postsecondary	677	713	611	\$75,020
Mental Health & Substance Abuse Social Workers	518	578	595	\$33.69*

### Bachelor's Degree

These occupations represent 21.4 percent (112,827) of the employment in RI. During the projection period it is expected that the state's economy will generate over 100,000 openings requiring a bachelor's degree.

**Percent of Jobs in RI - 21.4%**

**Percent of Jobs in USA - 22.0%**

**Projected Employment in RI- 119,871**

Occupation	Employment		Total Openings	2020 Wage
	2018	2028		
Registered Nurses	13,005	13,533	7,613	\$39.93
General & Operations Managers	5,970	6,385	5,779	\$64.31
Accountants & Auditors	5,087	5,389	5,185	\$38.16
Management Analysts	3,922	4,449	4,473	\$41.90
Secondary School Teachers, (Except Special & Career/Technical Education)	4,172	4,221	2,989	\$79,010
Market Research Analysts & Marketing Specialists	2,258	2,681	2,947	\$32.00
Financial Managers	2,857	3,253	2,751	\$72.70
Elementary School Teachers (Except Special Education)	3,329	3,361	2,500	\$74,570
Human Resources Specialists	2,002	2,084	2,131	\$33.95
Securities, Commodities, & Financial Services Sales Agents	2,074	2,133	2,051	\$36.78

## TOP 10 OCCUPATIONS BY EDUCATIONAL ATTAINMENT IN RHODE ISLAND

### Associate Degree

These occupations represent 2.2 percent (11,175) of the employment in RI. During the projection period it is expected that the state's economy will generate approximately 11,000 openings requiring an associate degree.

**Percent of Jobs in RI - 2.2%**

**Percent of Jobs in USA - 2.2%**

**Projected Employment in RI - 12,348**

Occupation	Employment		Total Openings	2020 Wage
	2018	2028		
Paralegals & Legal Assistants	1,159	1,324	1,478	\$23.63
Preschool Teachers, Except Special Education	1,120	1,073	1,053	\$14.32
Computer Network Support Specialists	1,134	1,211	1,039	\$27.56
Dental Hygienists	1,296	1,233	785	\$36.62
Electrical & Electronics Engineering Technicians	580	641	656	\$34.00
Veterinary Technologists & Technicians	525	643	589	\$18.38
Human Resources Assistants, Except Payroll & Timekeeping	529	508	567	\$20.36
Radiologic Technologists	962	968	535	\$35.10
Web Developers	531	603	502	\$36.57
Physical Therapist Assistants	302	340	436	\$31.78

### Postsecondary Non-Degree Award

These occupations represent 6.6 percent (35,013) of the employment in RI. During the projection period it is expected that the state's economy will generate nearly 39,000 openings requiring a postsecondary award.

**Percent of Jobs in RI - 6.6%**

**Percent of Jobs in USA - 6.2%**

**Projected Employment in RI - 36,684**

Occupation	Employment		Total Openings	2020 Wage
	2018	2028		
Nursing Assistants	10,500	11,074	12,664	\$16.14
Heavy & Tractor-Trailer Truck Drivers	3,506	3,702	4,294	\$22.99
Hairdressers, Hairstylists, & Cosmetologists	2,551	2,749	3,506	\$14.40
Medical Assistants	2,433	2,627	2,981	\$18.06
Automotive Service Technicians & Mechanics	2,946	2,914	2,821	\$21.46
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	1,499	1,657	1,700	\$29.44
Manicurists & Pedicurists	1,215	1,349	1,598	\$13.15
Phlebotomists	1,048	1,132	1,237	\$19.04
Firefighters	1,400	1,470	1,047	\$28.19
Dental Assistants	895	855	940	\$22.37

### High School Diploma or GED

These occupations represent 37.3% (196,647) of the employment in RI. During the projection period it is expected that the state's economy will generate over 235,000 openings requiring a high school diploma or GED.

**Percent of Jobs in RI - 37.3%**

**Percent of Jobs in USA - 38.8%**

**Projected Employment in RI - 200,553**

Occupation	Employment		Total Openings	2020 Wage
	2018	2028		
General Office Clerks	11,483	10,951	12,894	\$19.04
Customer Service Representatives	8,921	8,622	11,391	\$18.23
Personal Care Aides	6,203	7,537	10,911	\$14.39
Stock Clerks & Order Fillers	5,970	6,135	8,221	\$14.61
Secretaries & Administrative Assistants,	6,858	6,164	6,594	\$22.16
First-Line Supervisors of Food Preparation & Serving Workers	3,527	3,751	5,779	\$22.44
Receptionists & Information Clerks	4,233	4,196	5,624	\$16.63
Childcare Workers	3,708	3,710	5,540	\$12.11
Sales Representatives, Wholesale & Manufacturing (Except Technical & Scientific Products)	5,036	5,173	5,491	\$31.67
First-Line Supervisors of Retail Sales Workers	4,855	4,914	5,433	\$26.56

# No Educational Credential

These occupations represent 23.1 percent (121,635) of the employment in RI. During the projection period it is expected that the state's economy will generate over 202,000 openings for which no formal educational credential is required.

**Percent of Jobs in RI - 23.1%**  
**Percent of Jobs in USA - 23.1%**  
**Projected Employment in RI- 127,713**

Occupation	Employment		Total Openings	2020 Wage
	2018	2028		
Cashiers	13,251	12,850	24,219	\$12.26
Retail Salespersons	13,814	14,138	20,740	\$14.00
Waiters & Waitresses	10,082	10,550	20,268	\$12.17
Combined Food Preparation & Serving Workers (Including Fast Food)	9,982	11,123	19,932	\$12.77
Laborers & Freight, Stock, & Material Movers, Hand	8,044	8,504	11,954	\$15.47
Janitors & Cleaners	7,046	7,493	10,023	\$14.59
Landscaping & Groundskeeping Workers	5,848	6,388	8,469	\$17.15
Cooks, Restaurant	4,840	5,707	8,327	\$14.36
Counter Attendants, Cafeteria, Food Concession, & Coffee Shop	3,819	3,759	8,162	\$11.47
Bartenders	4,076	4,257	7,509	\$13.88

## TYPICAL WORK EXPERIENCE FOR EMPLOYMENT IN RHODE ISLAND

Typical Work Experience Needed	Employment		Exits	Openings Due To		Total Openings
	2018	2028		Transfers	Growth	
Grand Total	527,633	547,985	234,372	371,517	20,352	626,241
5 years or more	21,354	22,939	5,571	13,933	1,585	21,089
Less than 5 years	50,519	53,400	18,563	35,397	2,886	56,846
None	455,760	471,646	210,238	322,187	15,881	548,306

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

Typical Education Needed For Job	Employment		Exits	Openings Due To		Total Openings
	2018	2028		Transfers	Growth	
Internship/residency	9,728	9,812	1,988	2,864	85	4,937
Apprenticeship	10,839	11,874	3,466	8,914	1,037	13,417
Long-term on-the-job training	21,141	21,423	7,009	13,415	284	20,708
Moderate-term on-the-job training	77,143	78,875	29,363	53,983	1,734	85,080
Short-term on-the-job training	208,033	214,775	127,584	178,695	6,744	313,023
None	200,749	211,226	64,962	113,646	10,468	189,076

Visit <https://dlt.ri.gov/labor-market-information/data-center/2028-industry-occupational-projections> for additional data and tables.



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