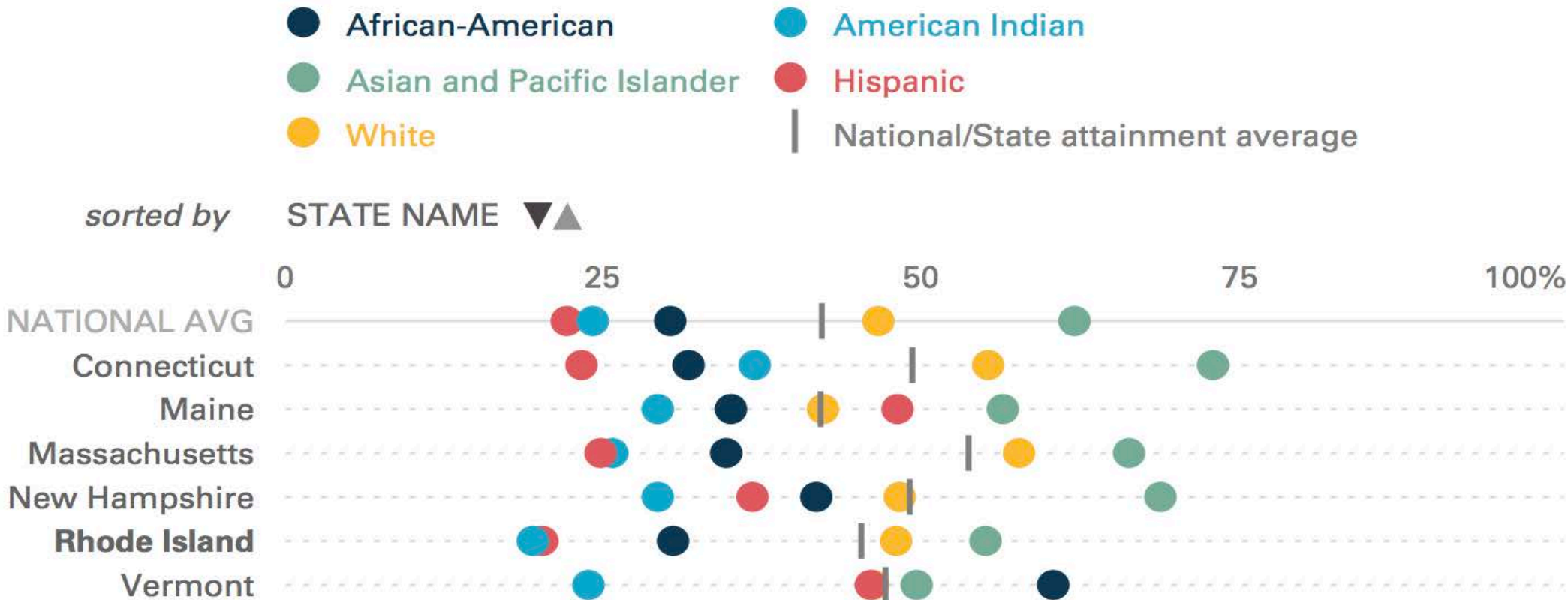


Opportunities and Challenges  
Rhode Island's Focus to Increase Diversity and  
Meet Demand in STEAM  
Fields

# Rhode Island's Attainment Results by Race & Ethnicity

## State and Regional Comparison



Source: Lumina Foundation, Stronger Nation Report (2018)

# Rhode Island's College Bound Seniors- Academic Interests & Plans

Intended major	2009	2012	2016
Architecture and Related Services	128	137	84
Biological and Biomedical Sciences	301	416	447
Business Management, Marketing	743	736	817
Computer & Information Systems	119	128	204
Engineering	388	483	594
Engineering Technologies	74	77	82
Health Professions & Related Clinical Services	983	1287	1070
Natural Resources & Conservation	41	33	36
Physical Sciences	62	106	101
Visual & Performing Arts	431	461	408
<b>Degree Level</b>			
Certificate program	72	62	25
Associate Degree	55	89	47
Bachelor's Degree	2026	2369	1858
Undecided	1720	1969	2247

Source: College Board, College-Bound Seniors Report 2009-2016

Employability Ready In STEAM

# Rhode Island's Education and Job Growth Demands

The jobs in high-growth, high-wage industries will require more technical skills & advanced degrees

**By 2020, more than 70% of Rhode Island's jobs will require some education beyond high school, yet right now, only 43% of Rhode Island adults have an associate's degree or higher.\***

Title	2014	2024	Most Frequent Education Requirement
	Average Employment	Projected Employment	
Management	25,719	27,743	Bachelor's
Business and Financial Operations	25,983	29,230	Bachelor's
Computer and Mathematical	13,892	16,131	Bachelor's
Architecture and Engineering	7,708	8,304	Bachelor's
Education, Training, and Library	32,125	33,411	Bachelor's
Healthcare Practitioners and Technical	36,274	39,675	Bachelor's or Higher

\*Projection based on Georgetown University Study, 2014

# Rhode Island's STEAM Skill Gap

Even today we can see a skills gap by looking at the open jobs and job-seekers

## Labor Supply & Demand by Major Occupational Division

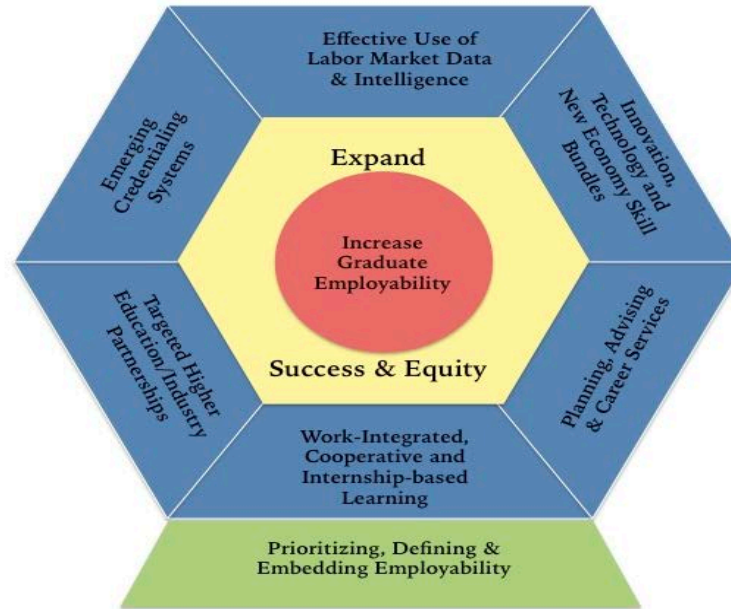
<u>Occupational Group</u>	<u>Job postings</u>	<u>Unemployed</u>
Management	1,355	729
Life, Physical, & Social Science	102	54
<b>Business &amp; Financial Operations</b>	<b>655</b>	<b>328</b>
Education, Training, & Library	465	221
Protective Service	211	77
Sales & Related	1,620	412
<b>Architecture &amp; Engineering</b>	<b>329</b>	<b>76</b>
<b>Healthcare Support</b>	<b>1,031</b>	<b>219</b>
<b>Computer &amp; Mathematical</b>	<b>911</b>	<b>169</b>
Legal	121	22
<b>Healthcare Practitioners &amp; Technical</b>	<b>2,458</b>	<b>193</b>

For some occupational groups - mostly in STEAM - there are up to twelve times as many job postings than there are qualified unemployed workers.

# Learning for Life and Work

## Report of the Commission on Higher Education & Employability

### Governor Gina Raimondo, Chair



- New England higher education institutions, along with their respective system, coordinating and/or governing boards should make increased graduate employability a strategic priority.
- New England higher education institutions should work to define and embed employability across the institution and undertake formal employability audits to assess strategic investments and effectiveness in embedding employability across the institution.
- New England states should consider specific employability-related equity strategies to support student success—particularly for underrepresented populations, who are at risk of not completing postsecondary credentials.