Estimating the 40,40 Credential Gap and Institution-Level Targets

Oregon Education Investment Board

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National Center for Higher Education Management Systems

NCHEMS

Estimating the 40,40 Gap

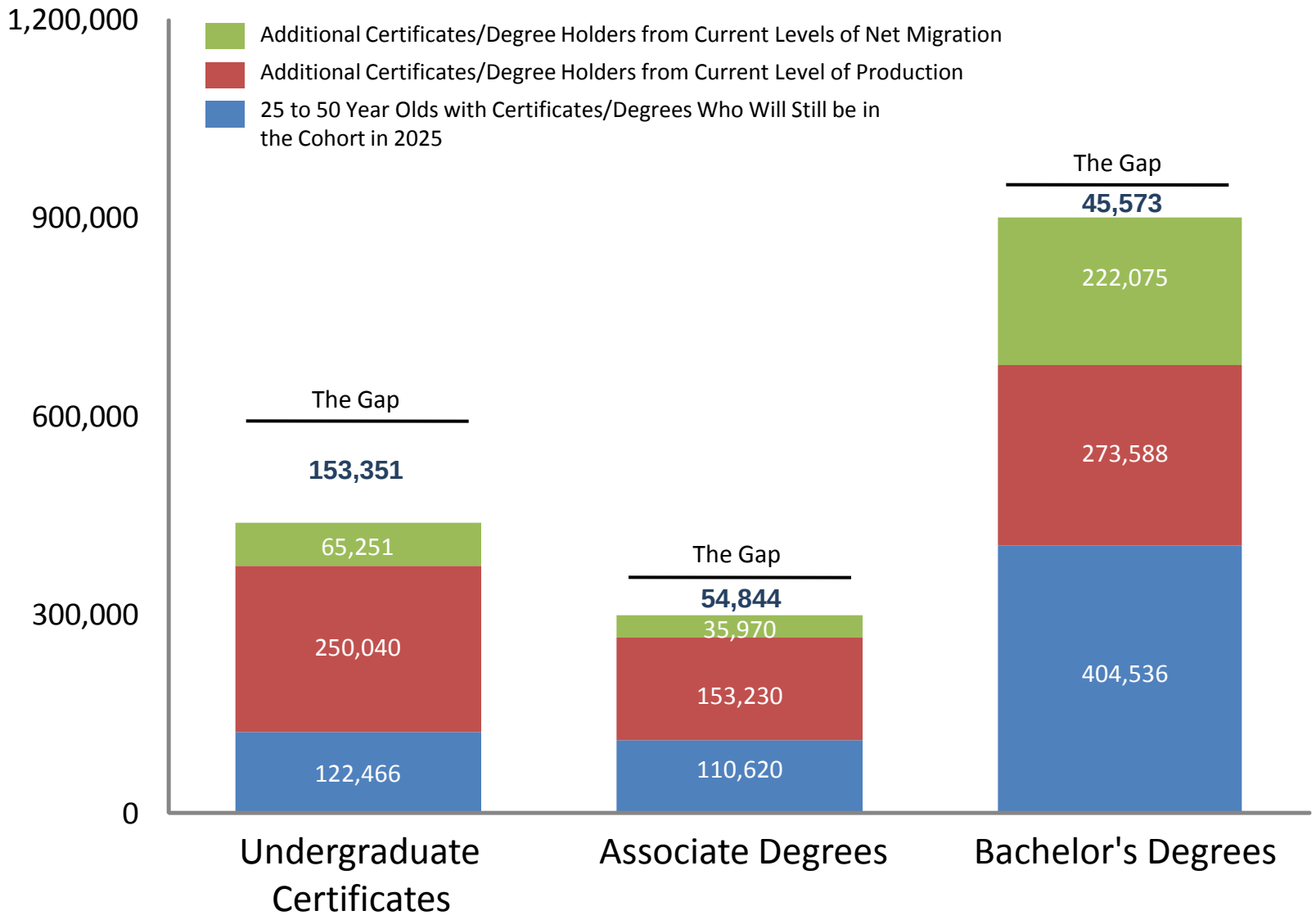
(Factors Taken Into Account)

- Projected population of 25 to 64 years olds in 2025 – and the 80% that need college credentials
- Residents ages 25 to 50 who already have college credentials – will still be in the workforce by 2025
- Annual net in-migration of college-educated residents
- Current annual degree production carried out to 2025

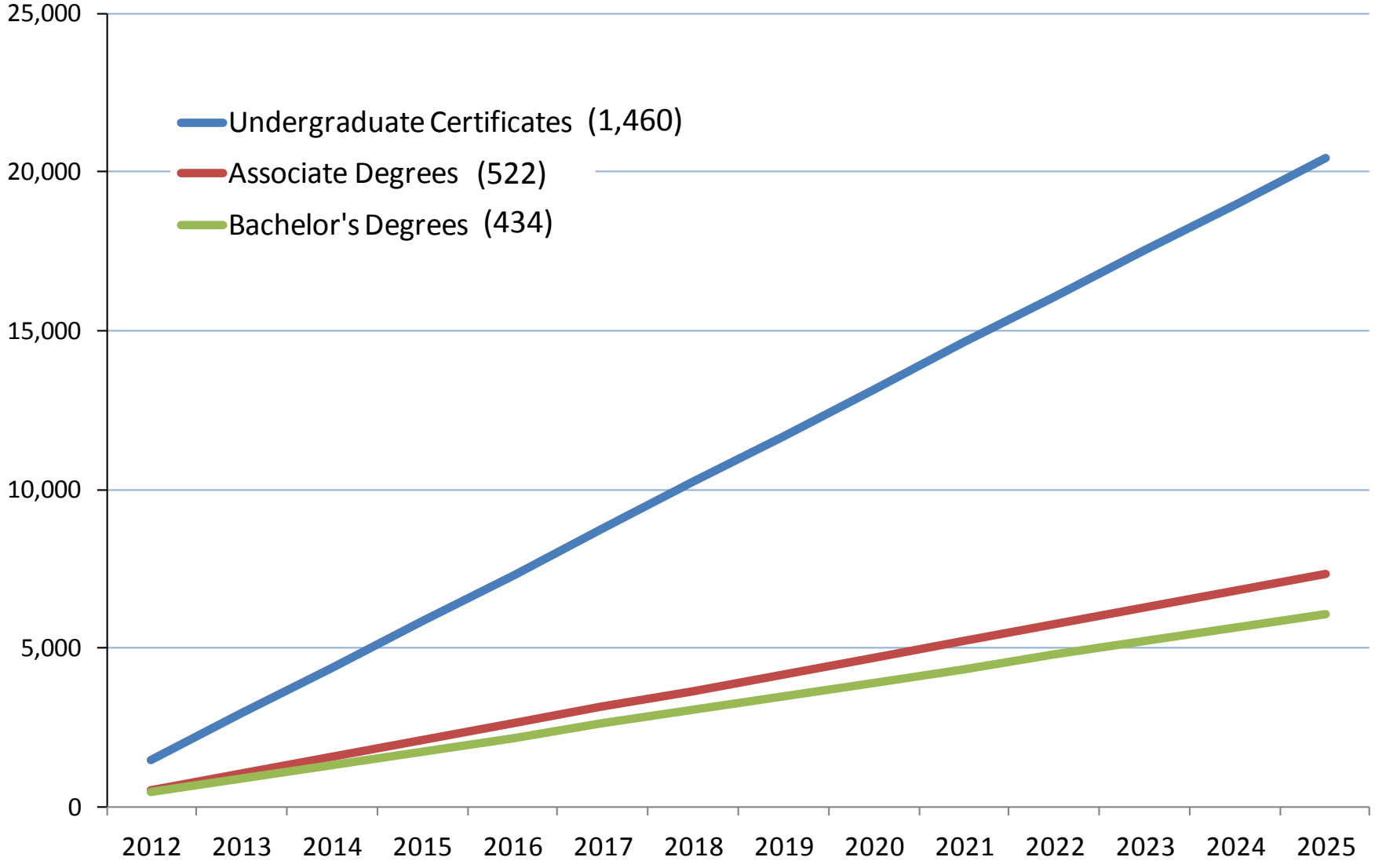
Calculating the Gap

Projected Population of 25 to 64 Year Olds in 2025	**2,364,429**
College Credential-Holders Needed for 40,40	**1,891,543**
Certificate-Holders (25%)	591,107
Associate Degree-Holders (15%)	354,664
Bachelor's Degree-Holders (40%)	945,772
MINUS	
25 to 50 Year Olds with College Credentials (Still in the Cohort in 2025)	**637,622**
Certificate-Holders	122,466
Associate Degree-Holders	110,620
Bachelor's Degree-Holders	404,536
Continued Annual Net In-Migration	**323,296**
Certificate-Holders	65,251
Associate Degree-Holders	35,970
Bachelor's Degree-Holders	222,075
Current Annual Credential Production Carried out to 2025	**676,858**
Certificates	250,040
Associates	153,230
Bachelor's	273,588
EQUALS	
GAP	**253,768**
Certificate-Holders	153,351
Associate Degree-Holders	54,844
Bachelor's Degree-Holders	45,573

The GAPS - Additional Certificates and Degrees Needed by 2025 to Meet the 40,40 Goal



Linear Trajectories to 2025: Additional Credentials Needed Annually



Baseline Institutional Targets (a starting point)
(Factors Taken Into Account)

- The counties that each institution serves – i.e. the percentage of first-time students by county
- The projected growth of college-aged residents in each county (older for community colleges)
- The levels of education in each county – percent of 25 to 44 year olds with college degrees

Institutions that serve high-growth and low college attainment counties have the most responsibility – and vise-versa.

Example of Index Scores

County of Origin of First-Time Students	Index Scores			Percentage Enrollment by County of Origin						
	Population Growth Index*	College Attainment Index*	Overall Index	Eastern Oregon University	Oregon Institute of Technology	Oregon State University	Portland State University	Southern Oregon University	University of Oregon	Western Oregon University
Baker County	0.78	0.77	0.77	5.2%	0.1%	0.2%	0.0%	0.5%	0.1%	0.2%
Benton County	0.89	1.47	1.18	0.2%	1.1%	5.4%	1.1%	2.4%	3.2%	2.6%
Clackamas County	1.01	1.05	1.03	3.6%	3.6%	15.2%	15.9%	6.3%	14.9%	8.0%
Clatsop County	0.89	0.63	0.76	0.7%	1.3%	1.0%	0.7%	0.6%	0.6%	1.7%
Columbia County	0.88	0.67	0.77	1.3%	1.4%	1.1%	1.2%	0.7%	0.7%	1.4%
Coos County	0.88	0.65	0.76	0.2%	3.4%	1.1%	0.4%	2.0%	0.8%	1.3%
Crook County	1.05	0.59	0.82	0.8%	0.7%	0.2%	0.1%	0.1%	0.2%	0.7%
Curry County	0.82	0.36	0.59	0.3%	1.8%	0.4%	0.2%	1.4%	0.2%	0.5%
Deschutes County	1.10	1.00	1.05	1.3%	3.8%	4.0%	1.9%	5.5%	4.3%	2.6%
Douglas County	0.96	0.58	0.77	1.6%	4.8%	1.7%	0.8%	2.9%	1.3%	2.9%
Gilliam County	0.92	0.66	0.79	0.5%	0.1%	0.1%	0.1%	0.0%	0.0%	0.1%
Grant County	0.70	0.83	0.77	3.0%	0.5%	0.2%	0.2%	0.1%	0.0%	0.2%
Harney County	0.87	0.59	0.73	2.4%	0.8%	0.2%	0.1%	0.1%	0.0%	0.2%
Hood River County	1.07	0.79	0.93	0.5%	0.2%	0.8%	0.6%	0.4%	0.7%	1.8%
Jackson County	1.01	0.74	0.87	0.5%	11.8%	3.5%	3.0%	38.5%	5.2%	2.2%
Jefferson County	1.10	0.51	0.81	1.2%	0.4%	0.4%	0.2%	0.4%	0.1%	0.5%
Josephine County	0.90	0.69	0.79	0.3%	3.9%	1.2%	0.7%	5.5%	1.2%	1.0%
Klamath County	0.93	0.73	0.83	0.8%	25.9%	1.2%	0.6%	2.3%	0.8%	1.4%
Lake County	0.79	0.61	0.70	0.7%	2.1%	0.4%	0.0%	0.1%	0.1%	0.3%
Lane County	1.01	0.95	0.98	2.2%	8.0%	8.0%	3.2%	5.0%	16.9%	5.7%
Lincoln County	0.91	0.66	0.78	0.3%	0.9%	1.2%	0.2%	0.4%	0.6%	1.7%
Linn County	1.03	0.68	0.86	0.7%	2.5%	3.2%	0.9%	0.9%	1.4%	3.6%
Malheur County	1.02	0.47	0.75	3.4%	0.2%	0.4%	0.4%	0.1%	0.2%	0.5%

* Relative to state average

Baseline Institutional 2025 Targets Based on Population Growth and College Attainment of the Counties Served

Undergraduate Credentials by Level	2010-11 Proportion of Awards Produced	Unadjusted Targets	Index for Population Growth and College Attainment of the Counties Served	Adjusted Targets	Annual Increases Needed (Linear)
Bachelor's Degrees					**459**
Eastern Oregon University	3.8%	1,739	0.89	1,551	15
Oregon Health & Science University	2.2%	1,021	1.00	1,021	10
Oregon Institute of Technology	3.8%	1,713	0.90	1,545	15
Oregon State University	24.6%	11,198	1.06	11,857	113
Portland State University	27.9%	12,701	1.12	14,229	136
Southern Oregon University	4.7%	2,154	0.95	2,055	20
University of Oregon	27.1%	12,334	1.07	13,167	125
Western Oregon University	6.0%	2,714	1.01	2,745	26
Associate Degrees					**530**
Blue Mountain Community College	1.9%	1,048	0.89	938	9
Central Oregon Community College	10.7%	5,849	1.05	6,147	59
Chemeketa Community College	10.0%	5,458	0.93	5,080	48
Clackamas Community College	8.0%	4,410	0.97	4,289	41
Clatsop Community College	1.4%	766	1.13	863	8
Columbia Gorge Community College	2.3%	1,251	0.82	1,022	10
Klamath Community College	1.0%	563	0.88	497	5
Lane Community College	11.1%	6,099	1.02	6,207	59
Linn-Benton Community College	8.7%	4,785	1.03	4,926	47
Mt Hood Community College	3.9%	2,158	1.11	2,406	23
Oregon Coast Community College	0.6%	344	0.84	289	3
Portland Community College	23.5%	12,886	1.18	15,156	144
Rogue Community College	5.1%	2,799	0.93	2,600	25
Southwestern Oregon Community Col	1.4%	751	0.79	596	6
Tillamook Bay Community College	0.3%	141	0.82	115	1
Treasure Valley Community College	5.1%	2,784	0.77	2,145	20
Umpqua Community College	5.0%	2,752	0.85	2,333	22

Baseline Institutional 2025 Targets Based on Population Growth and College Attainment of the Counties Served

Undergraduate Credentials by Level	2010-11 Proportion of Awards Produced	Unadjusted Targets	Index for Population Growth and College Attainment of the Counties Served	Adjusted Targets	Annual Increases Needed (Linear)
Undergraduate Certificates					**1,507**
Blue Mountain Community College	2.4%	3,674	0.89	3,288	31
Central Oregon Community College	5.3%	8,146	1.05	8,560	82
Chemeketa Community College	12.6%	19,348	0.93	18,008	172
Clackamas Community College	6.4%	9,804	0.97	9,535	91
Clatsop Community College	0.9%	1,414	1.13	1,594	15
Columbia Gorge Community College	1.3%	1,984	0.82	1,621	15
Klamath Community College	0.7%	1,041	0.88	918	9
Lane Community College	10.3%	15,820	1.02	16,099	153
Linn-Benton Community College	6.5%	9,901	1.03	10,193	97
Mt Hood Community College	9.6%	14,698	1.11	16,383	156
Oregon Coast Community College	0.5%	699	0.84	587	6
Portland Community College	29.4%	45,101	1.18	53,045	505
Rogue Community College	4.1%	6,260	0.93	5,814	55
Southwestern Oregon Community Col	3.3%	5,121	0.79	4,067	39
Tillamook Bay Community College	0.2%	325	0.82	265	3
Treasure Valley Community College	2.4%	3,674	0.77	2,832	27
Umpqua Community College	4.1%	6,341	0.85	5,374	51