



Delaware Department of Education  
**Appendix: Labor Market Information (LMI) Review**  
 Delaware CTE Program of Study Application

**Table 1: LEA Information**

*(see instructions on page 2, LMI Instructions & Guidance Document)*

Career Cluster:	Hospitality & Tourism
Career Pathway:	Restaurant and Food/Beverage Service
CTE Program of Study:	Culinary & Hospitality Management
High School and LEA Name:	
County:	

**Table 2: Labor Market Information (LMI) Benchmarks by Geographic Region**

*(see instructions on page 2, LMI Instructions & Guidance Document)*

Region	Employment 2014	Employment Change 2012-22	Employment Growth 2012-22	Avg. Wage 2014
United States	132,588,810	15,628,000	10.8%	\$46,440
Delaware	412,140	40,900	9.4%	\$49,254
District of Columbia	674,650	57,930	7.7%	\$78,580
Maryland	2,557,510	189,370	6.1%	\$53,470
New Jersey	3,869,260	313,190	7.5%	\$53,920
Pennsylvania	5,653,840	467,940	7.7%	\$45,750
Virginia	3,648,490	534,210	13.5%	\$50,750

**Table 3: LMI by Career Cluster & Pathway**  
 (see instructions on page 4, LMI Instructions & Guidance Document)

					2012-2022			
Cluster Code	Cluster/Pathway Title	High Skill	High Wage	High Demand	Employment 2014	Employment Change 2012-2022	Employment Growth 2012-2022	Average Wage 2014
9	Hospitality & Tourism				59,163	4,952	9.0%	\$23,957
	Rank Select Career Cluster by the Following Categories ->				(2 of 16)	(2 of 16)	(7 of 16)	(16 of 16)
9.01	Restaurant and Food/Beverage Service				42,824	3656	9.1%	\$23,165
	Rank Select Career Pathway by the Following Categories ->				(1 of 4)	(1 of 4)	(2 of 4)	(4 of 4)
	Restaurant and Food/Beverage Service - Mid-Atlantic States				1,387,370	142,246	10.1%	\$23,264
	Restaurant and Food/Beverage Service - United States				12,650,050	1,116,200	9.1%	\$22,525
9.02	Lodging				13,085	1,042	9.1%	\$26,152
9.03	Travel & Tourism				434	-6	-0.9%	\$31,254
9.04	Recreation, Amusements & Attractions				2,820	260	9.8%	\$24,700

**Table 3: LMI by Career Cluster & Pathway (Questions/Analysis)**  
 (see instructions on page 5, LMI Instructions & Guidance Document)

1. How does the employment, the employment change, the employment growth rate, and the average wage for the identified career cluster compare to LMI for other clusters in the State of Delaware? Is the career cluster rated as high wage and high demand?

Employment opportunities in the Hospitality & Tourism Career Cluster are very high as it ranks second (2) in employment and employment growth through 2022. While the cluster is rated as high demand, wages are ranked at 16<sup>th</sup>. Note that

average wages are heavily influenced by the number of low wage jobs in the cluster and pathway and do not reflect the wage progression for a professional who enters and advances in the culinary or hospitality industry.

- How does the employment, the employment change, the employment growth rate, and the average wage for the identified career pathway compare to LMI at the cluster level? How does the identified pathway level LMI in Delaware compare to the pathway level LMI in the Mid-Atlantic and/or the United States? How does the identified pathway level LMI in Delaware compare to the other pathway level LMI in Delaware?

Employment in the Restaurant and Food/Beverage Service pathway exceeds the other pathways in this cluster in employment and employment growth.

**Table 4: LMI by Standard Occupation Code (SOC)**  
*(see instructions on page 6, LMI Instructions & Guidance Document)*

					2012-2022			
SOC Code	Occupation Title	High Skill	High Wage	High Demand	Employment 2014	Employment Change 2012-2022	Employment Growth 2012-2022	Average Wage 2014
35-1011	Chef & Head Cook				263	17	6.0	\$53,410
35-1012	First line Supervisor				3,128	385	12.4	\$37,360
11-9051	Food Service Manager				526	15	3.6	\$63,340
35-3031	Waiter & Waitress				7,943	385	5.1	\$21,390
51-3011	Baker				546	23	7.3	\$26,810

**Table 4: LMI by Standard Occupation Code (SOC) (Questions/Analysis)**  
*(see instructions on page 7, LMI Instructions & Guidance Document)*

- How closely related to the program of study are the identified occupations (SOCs)?

The Chef & Head Cook and Baker pathways are directly aligned to the program of study. Schools which use the ProStart curriculum are aligned with the Chef & Head Cook and Baker as well as the First Line Supervisor and Food Service Manager. These programs have a strong connection to the Culinary Arts program at DTCC.

4. Are there adequate state-level projected job openings or employment growth projections at the occupation level to justify starting a new program of study? Do the occupations related to the program of study rank as high skill, high wage and/or high demand?

The number of job openings projected for the cluster and pathway as well as the related SOCs will support the Culinary & Hospitality Management program of study.

**Table 5: LMI Supply Indicators by Secondary & Post-Secondary Levels**

*(see instructions on page 8, LMI Instructions & Guidance Document)*

			Program Completion/Enrollment			
Program Code (CIP)	Program (CIP) Title	School	2010-11	2011-12	2012-13	2013-14
<b>Total Secondary Programs of Study</b>						
(CIP #)	Culinary & Hospitality Management	Appoquinimink, Middletown, Brandywine, Mt. Pleasant, Caesar Rodney, Cape Helopen, Dover, Glasgow, Laurel, William Penn, Lake Forest, McKean, Seaford, Polytech, Delcastle, St. Georges, Howard, Hodgson				
(CIP #)	Food Preparation and Production	Newark, Al duPont				
<b>Total Post-Secondary Programs of Study</b>						
12.0501	Culinary Arts/Chef Training	DTCC/Terry/Wilmington	30	30	27	
52.0904	Hotel/Motel Administration/Management	UD	95	91	90	

**Table 5: LMI Supply Indicators by Secondary & Post-Secondary Levels (Questions/Analysis)**

*(see instructions on page 9, LMI Instructions & Guidance Document)*

5. How is the secondary program of study articulated to or in any way related to the identified post-secondary program(s)?

The ProStart programs are connected with the post-secondary programs at DTCC for student interested in pursuing an associate’s degree or certificate. For students interested in pursuing a bachelor’s degree the program is connected to the University of Delaware’s HRMI program.

6. How does the annual completion data at the secondary and post-secondary level compare to the projected career pathway-related projected job openings in Table 4?

**There is a strong connection between the secondary and post-secondary degree options and students will earn both industry certifications and early college credit by completing the program of study. Further, careers in culinary and hospitality management allow for students to enter a career at various points in their educational path.**

**Table 6: Other LMI Data Including Real-Time LMI (Questions/Analysis)**

*(see instructions on page 10, LMI Instructions & Guidance Document)*

7. Are there additional LMI data (demand & supply) at the local, county, state, or Mid-Atlantic region that support starting a new program of study in this pathway? This includes additional occupations for which there is not an SOC, any other analysis of LMI data, and any additional information on demand & supply factors that influence employment which can include real-time labor market information.

**Real-Time LMI Report will be published in the fall of 2015.**