

# Alumni Pathways

## from Tennessee State University

This report details the employment outcomes of a segment of your alumni, based on matching your institution's student data to Lightcast's database of online profiles. Unmatched alumni are not included in this report.

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## What is Lightcast Data?

At Lightcast we're passionate about providing meaningful labor market data for colleges and their students.

Our labor market dataset includes data from three categories: government sources, online job posting activity, and professional profiles/resumes. This report primarily leverages the latter, known as our Profile Analytics database, which aggregates social and professional profiles from over 100 public websites.

This dataset is extremely granular, allowing us to understand workforce credentials of millions of workers across the country. These credentials include alma mater, occupation, job title, employer, skills, qualifications, location, industry, and more.

Your institution gave Lightcast a catalog of your academic programs and student records, which we matched to our profile database. The result is a robust analysis of your matched alumni's employment outcomes by program of study. Unmatched alumni are not included in the report.

FAQs are included at the end of the report.

## Report Parameters

### 1 Program Name

Aeronautical And Industrial Te

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### 1 Nation

0 United States

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### Graduation Year

2005 - 2024

### Graduation Status

Graduated

### Settings

Limit to highest level award per student. Limit to profiles with jobs that started after graduation.

### Match Score

High Confidence

### Class of Worker

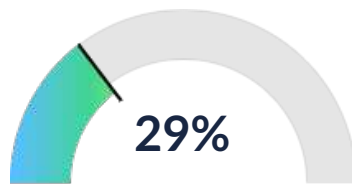
QCEW Employees

## School Summary



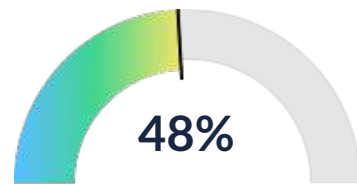
### Alumni with Employment Outcomes

100% of the 58 total alumni that match your applied filters.



### Employed in Field

In field is based on Lightcast's custom program (CIP) to occupation (O\*NET) mapping.



### Reside in Region

In region is based on the service area defined by your institution.

## Earnings

Based on their occupations and where they live, these are estimates of what your alumni could be making at their current ages, and a potential wage based on the average wage for their occupations.

**\$77.2K**

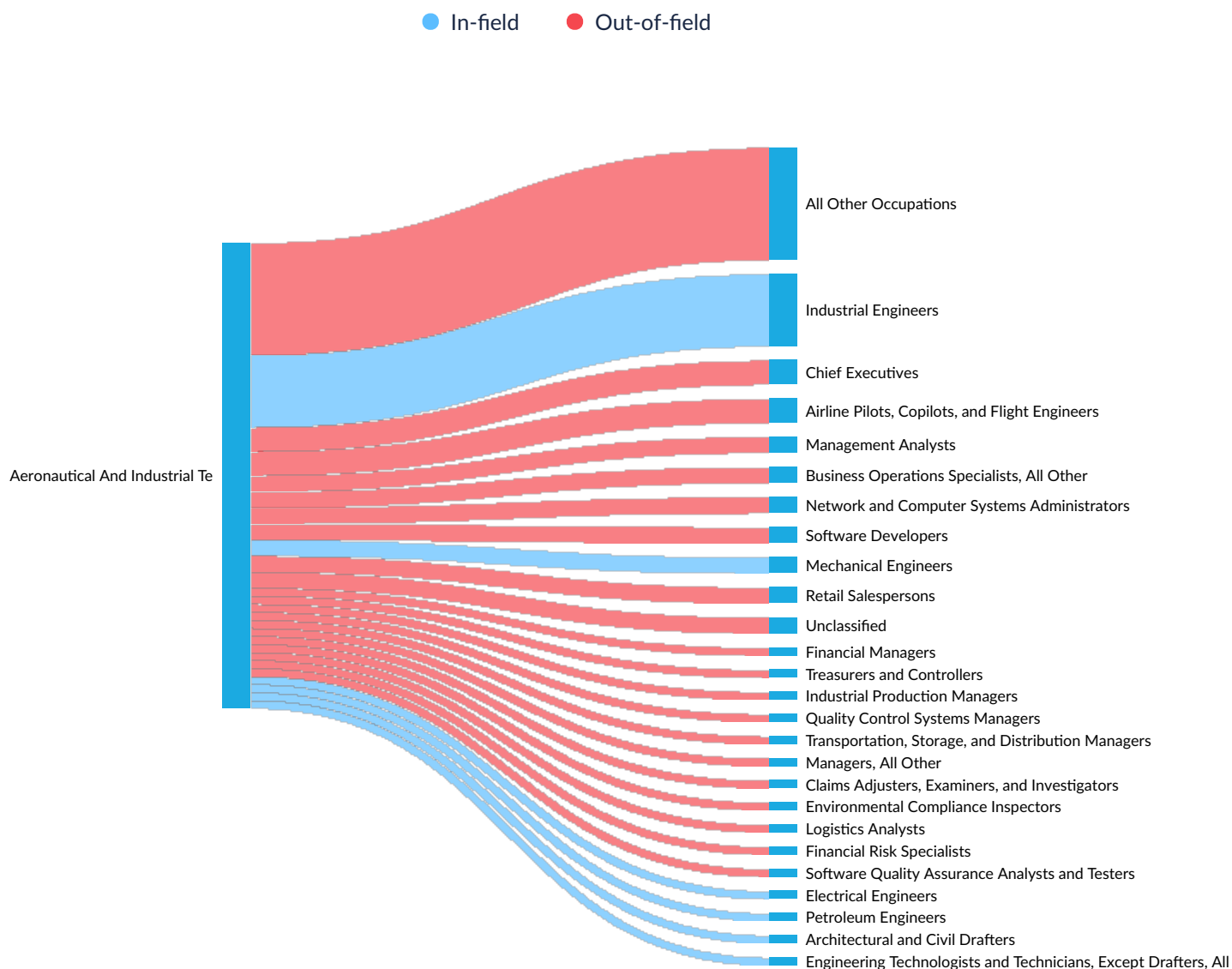
Estimated Wage

**\$107.6K**

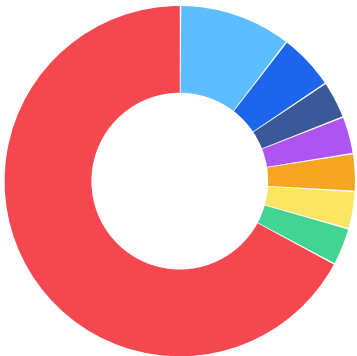
Potential Wage

## Program to Career Outcomes

This visual displays the education-to-career outcomes of your alumni based on their program of study and current occupation. Note: This diagram includes up to the top 25 occupations with all remaining occupations grouped under All Other Occupations.



### Alumni by Industry Sector



Industry	Alumni in Industry	% of Alumni in Industry
Transportation Equipment Manufacturing	6	10.3%
Couriers and Messengers	3	5.2%
Specialty Trade Contractors	2	3.4%
Computer and Electronic Product Manufacturing	2	3.4%
Truck Transportation	2	3.4%
Support Activities for Transportation	2	3.4%
Credit Intermediation and Related Activities	2	3.4%
Other	39	67.2%

Industries (NAICS 3-Digit)	Alumni	Percent
Transportation Equipment Manufacturing	6	10.34%
Couriers and Messengers	3	5.17%
Specialty Trade Contractors	2	3.45%
Computer and Electronic Product Manufacturing	2	3.45%
Truck Transportation	2	3.45%
Support Activities for Transportation	2	3.45%
Credit Intermediation and Related Activities	2	3.45%
Professional, Scientific, and Technical Services	2	3.45%
Administration of Economic Programs	2	3.45%
National Security and International Affairs	2	3.45%
Food Manufacturing	1	1.72%
Plastics and Rubber Products Manufacturing	1	1.72%
Miscellaneous Manufacturing	1	1.72%
Merchant Wholesalers, Durable Goods	1	1.72%
Merchant Wholesalers, Nondurable Goods	1	1.72%
Building Material and Garden Equipment and Supplies Dealers	1	1.72%
Air Transportation	1	1.72%
Transit and Ground Passenger Transportation	1	1.72%
Pipeline Transportation	1	1.72%
Broadcasting and Content Providers	1	1.72%



	Alumni	Percent
Industrial Engineers	4	6.90%
Photographers	1	1.72%
Unmanned Aerial Vehicle Operators	1	1.72%
Laboratory Technicians	1	1.72%
Reliability Engineering Managers	1	1.72%
Management and Program Analysts	1	1.72%
Flight Operations Officers	1	1.72%
Lead Product Engineers	1	1.72%
Store Planners	1	1.72%

Occupations (SOC 5-Digit)	Alumni	Percent
Industrial Engineers	9	15.52%
Chief Executives	3	5.17%
Airline Pilots, Copilots, and Flight Engineers	3	5.17%
Financial Managers	2	3.45%
Industrial Production Managers	2	3.45%
Management Analysts	2	3.45%
Business Operations Specialists, All Other	2	3.45%
Network and Computer Systems Administrators	2	3.45%
Software Developers	2	3.45%
Mechanical Engineers	2	3.45%

Occupations (O*NET)	Alumni	Percent
Industrial Engineers	9	15.52%
Chief Executives	3	5.17%
Airline Pilots, Copilots, and Flight Engineers	3	5.17%

Occupations (O*NET)	Alumni	Percent
Management Analysts	2	3.45%
Business Operations Specialists, All Other	2	3.45%
Network and Computer Systems Administrators	2	3.45%
Software Developers	2	3.45%
Mechanical Engineers	2	3.45%
Retail Salespersons	2	3.45%
Financial Managers	1	1.72%
Treasurers and Controllers	1	1.72%
Industrial Production Managers	1	1.72%
Quality Control Systems Managers	1	1.72%
Transportation, Storage, and Distribution Managers	1	1.72%
Managers, All Other	1	1.72%
Claims Adjusters, Examiners, and Investigators	1	1.72%
Environmental Compliance Inspectors	1	1.72%
Logistics Analysts	1	1.72%
Financial Risk Specialists	1	1.72%
Software Quality Assurance Analysts and Testers	1	1.72%
Electrical Engineers	1	1.72%
Petroleum Engineers	1	1.72%
Architectural and Civil Drafters	1	1.72%
Engineering Technologists and Technicians, Except Drafters, All Other	1	1.72%
Urban and Regional Planners	1	1.72%
Life, Physical, and Social Science Technicians, All Other	1	1.72%
Quality Control Analysts	1	1.72%
Community and Social Service Specialists, All Other	1	1.72%
Merchandise Displayers and Window Trimmers	1	1.72%

Occupations (O*NET)	Alumni	Percent
Photographers	1	1.72%
Acute Care Nurses	1	1.72%
Securities, Commodities, and Financial Services Sales Agents	1	1.72%
Dispatchers, Except Police, Fire, and Ambulance	1	1.72%
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1	1.72%
First-Line Supervisors of Mechanics, Installers, and Repairers	1	1.72%
First-Line Supervisors of Production and Operating Workers	1	1.72%
Airfield Operations Specialists	1	1.72%
Light Truck Drivers	1	1.72%

Occupations (LOT Occupation)	Alumni	Percent
Industrial Engineer	5	8.62%
Owner / Founder	4	6.90%
Operations Manager / Supervisor	3	5.17%
Scheduler / Operations Coordinator	2	3.45%
Mechanical Engineer	2	3.45%
Retail Sales Associate	2	3.45%
Pilot	2	3.45%
Business / Management Analyst	1	1.72%
Chief Executive Officer	1	1.72%
General Manager	1	1.72%
Dispatcher	1	1.72%
Inventory / Supply Specialist	1	1.72%
Logistics / Supply Chain Analyst	1	1.72%
Buyer / Purchasing Agent	1	1.72%
Program Manager	1	1.72%

Occupations (LOT Occupation)	Alumni	Percent
Project Manager	1	1.72%
Construction / Building Inspector	1	1.72%
Photographer	1	1.72%
Chemical / Process Engineer	1	1.72%
Reservoir / Petroleum Engineer	1	1.72%
Civil Engineer	1	1.72%
CAD Designer / Drafter	1	1.72%
General Engineering Technician / Technologist	1	1.72%
Manufacturing Engineer	1	1.72%
Validation Engineer	1	1.72%
Risk Manager / Analyst	1	1.72%
Financial Services Sales Agent	1	1.72%
Claims Specialist / Adjuster / Examiner	1	1.72%
Insurance Sales Agent	1	1.72%
Laboratory Technician	1	1.72%
Restaurant / Food Service Supervisor	1	1.72%
Human Resources / Labor Relations Specialist	1	1.72%
Network Engineer / Architect	1	1.72%
Software Developer / Engineer	1	1.72%
Software QA Engineer / Tester	1	1.72%
Maintenance / Service Supervisor	1	1.72%
Production Supervisor	1	1.72%
Quality Control Systems Manager	1	1.72%
Medical Scientist	1	1.72%
Security / Defense Intelligence Analyst	1	1.72%
Urban / Transportation Planner	1	1.72%

Occupations (LOT Occupation)	Alumni	Percent
Student	1	1.72%
Tractor-Trailer Truck Driver	1	1.72%

## Top Companies

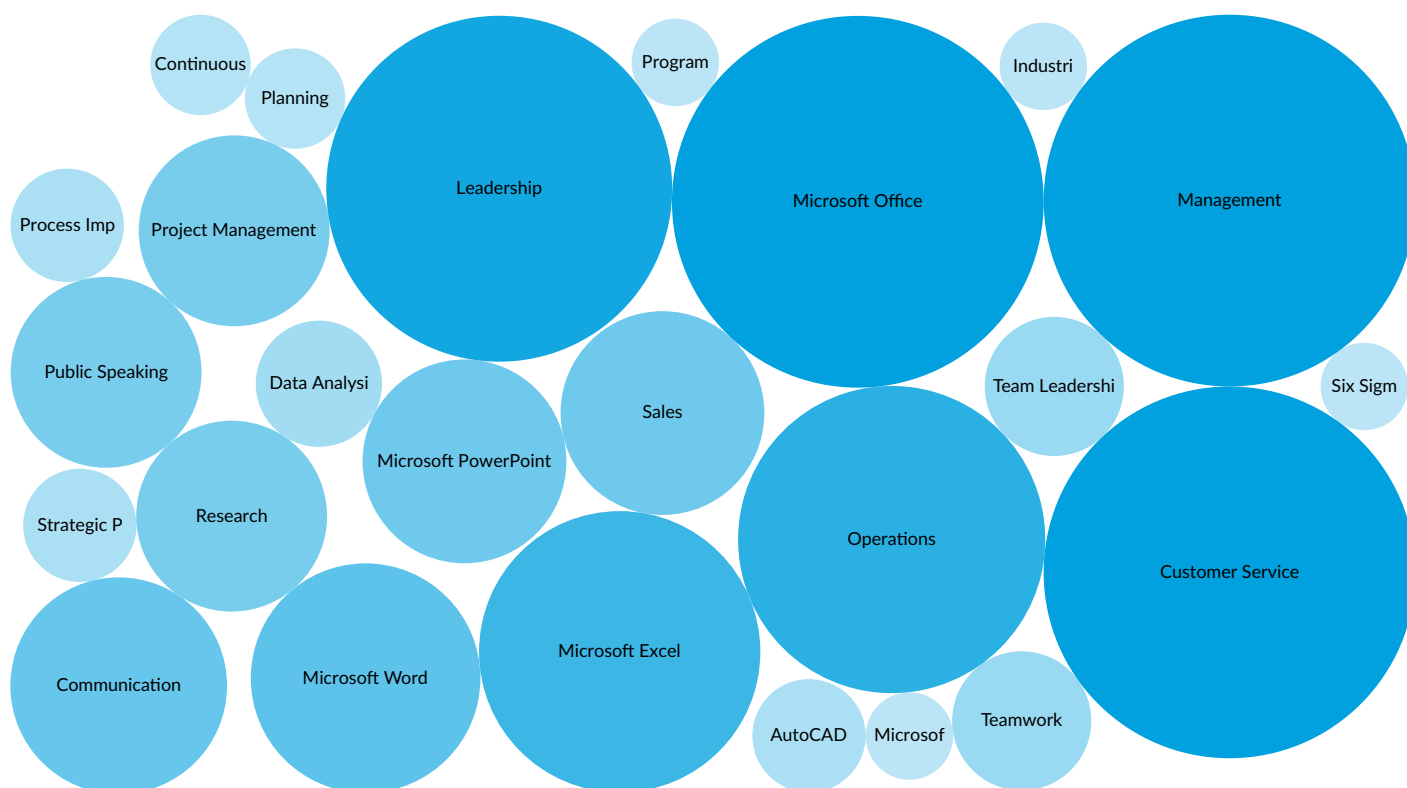
This table shows the top companies where your alumni work based on their most current job.

	Alumni	Percent
Boeing	2	3.45%
United States Merchant Marine Academy	2	3.45%
FedEx	2	3.45%
TE Connectivity	1	1.72%
King Salman Energy Park - Spark	1	1.72%
Oxfordsaudia Flight Academy	1	1.72%
Avelo Airlines	1	1.72%
UPS	1	1.72%
Johnson Electric	1	1.72%
JLL	1	1.72%

## Top Skills

This diagram shows the top skills your alumni have included in their online profiles.

'**Management**' is one of the most frequently stated skills, associated with **52%** of matching alumni. This skill is often paired with '**Customer Service**', '**Microsoft Office**', and '**Leadership**'.



	Alumni	Percent
Management	30	51.72%
Customer Service	30	51.72%
Microsoft Office	30	51.72%
Leadership	28	48.28%
Operations	25	43.10%
Microsoft Excel	23	39.66%
Microsoft Word	19	32.76%
Communication	18	31.03%
Sales	17	29.31%
Microsoft PowerPoint	17	29.31%

Specialized Skills	Alumni	Percent
Project Management	16	27.59%
Data Analysis	11	18.97%
AutoCAD	10	17.24%
Process Improvement	10	17.24%
Continuous Improvement Process	9	15.52%
Six Sigma Methodology	8	13.79%
Industrial Engineering	8	13.79%
Java (Programming Language)	7	12.07%
Lean Manufacturing	7	12.07%
Operations Management	7	12.07%

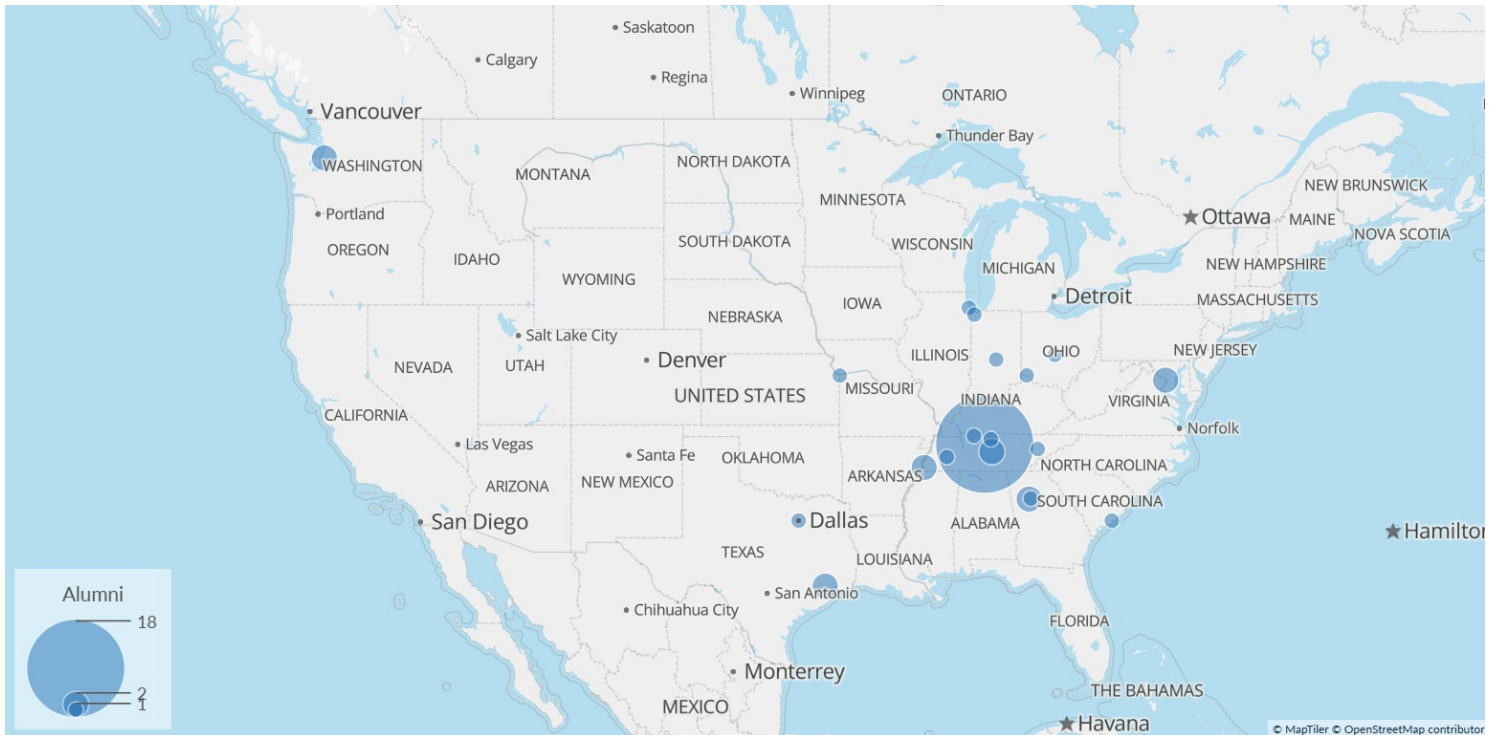


Common Skills	Alumni	Percent
Management	30	51.72%
Customer Service	30	51.72%
Microsoft Office	30	51.72%
Leadership	28	48.28%
Operations	25	43.10%
Microsoft Excel	23	39.66%
Microsoft Word	19	32.76%
Communication	18	31.03%
Sales	17	29.31%
Microsoft PowerPoint	17	29.31%

Certifications	Alumni	Percent
Six Sigma Green Belt	3	5.17%
Private Pilot Licence	3	5.17%
Certified Flight Instructor	2	3.45%
Commercial Pilot License	2	3.45%
Security Clearance	2	3.45%
Master Of Business Administration (MBA)	2	3.45%
FINRA Series 7 (General Securities Representative)	2	3.45%
Six Sigma Yellow Belt	1	1.72%
30-Hour OSHA General Industry Card	1	1.72%
ITIL Foundation Certification	1	1.72%

## Alumni by Location

The map below displays the top locations of your alumni. The larger the bubble, the more alumni you have in that location. The largest portion of your alumni live in **Nashville, TN (31%)**.

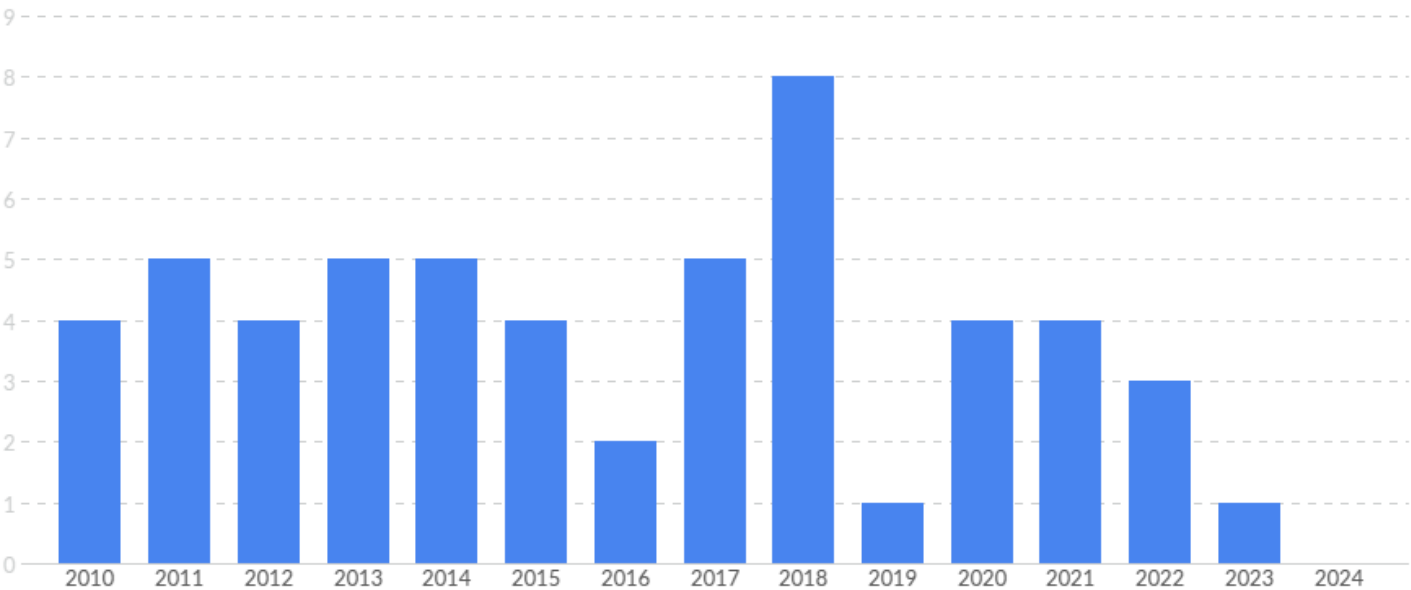


	Alumni	Percent
Nashville, TN	18	31.03%
Atlanta, GA	2	3.45%
Houston, TX	2	3.45%
Memphis, TN	2	3.45%
Murfreesboro, TN	2	3.45%
Seattle, WA	2	3.45%
Washington, DC	2	3.45%
Columbus, OH	1	1.72%
Charleston, SC	1	1.72%
Chicago, IL	1	1.72%

	Alumni	Percent
Tennessee	28	48.28%
Texas	5	8.62%
Georgia	3	5.17%
District of Columbia	2	3.45%
Indiana	2	3.45%
Missouri	2	3.45%
Ohio	2	3.45%
Washington	2	3.45%
California	2	3.45%
Alabama	1	1.72%

# Alumni by Graduation Year

This chart represents the number of alumni who completed their program of study in the corresponding graduation year.



*Note: This graph only represents graduates from the last 15 years.*

# Education

Your alumni say they have attended these schools.

School	Alumni	Percent
Tennessee State University	57	98.28%
Middle Tennessee State University	7	12.07%
Georgia Tech Alumni Association	2	3.45%
Nashville State Community College	2	3.45%
Tennessee College of Applied Technology	2	3.45%
University of Tennessee Space Institute	2	3.45%
GW Investment Institute	1	1.72%
Boston College	1	1.72%
Community College of the Air Force	1	1.72%
Full Sail University	1	1.72%

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# FAQ

## How does Alumni Pathways work?

Your institution provided Lightcast with a catalog of your academic programs and student records. We matched these records to our database of profiles and resumés to connect employment outcomes to your graduates so you get detailed, personalized results.

### Alumni Pathways Deliverables:

- Summary: Excel file with match statistics of overall project
- Data: detailed Excel file with all matched data for graduates, including names and contact information, where available
  - Data (non-grad)\*: detailed Excel file, for matched non-completers
- Analysis: Excel file with filterable pivot tables for most recent available location and employment for matched graduates/program completers (depersonalized)
  - Analysis (non-grad)\*: Excel file for matched non-completers (depersonalized)
- Research portal: one year of access to a web tool for producing PDF and Word reports based on most recent available location, employment and skills for matched graduates/program completers. Contact your Lightcast account manager with questions.
- GoRecruit portal\*: one year of access to a web tool for producing high quality infographics based on most recent available location, employment and skills for matched graduates/program completers. Contact your Lightcast account manager with questions.

### Pathways Analytics Deliverables\*:

- Alumni Pathways Dashboard: Tableau interactive dashboard based on the Alumni Pathways data
- Benchmarking Analytics: Tableau analysis of the estimated earnings of your alumni compared to the earnings of alumni of other institutions in the state or nation
- Career Pathways Analytics: Tableau visualization of your alumni's career growth over time
- Lifetime Value of a Degree: PDF fact sheet highlighting key findings of the Lifetime Value of a Degree and a summary report with detailed results and methodology

*\*Contracts may vary*

## What is Lightcast's profile database?

The profile database is an aggregation of publicly available, social and professional profiles, collected from more than 100 commonly used websites and sources where users openly share their own information. We currently have more than 120 million profiles in the database, which is updated quarterly.

## How does Lightcast construct a "profile"?

We consolidate billions of raw social profiles and data points from across the web. This brings back millions of duplicate profiles which we then match and unify to create one unique master profile; this profile corresponds to one real person. We attempt to match profiles based on known fields like email address, location, name, job title, etc. Finally, we export the final profile dataset and make it available to various customer facing applications.

## What does Lightcast count as a matched record?

Lightcast matched your institution's past student information to a database containing public profiles. To count as a matched record, a profile had to match your institution's past student information on name and at least one of the following: contact information or award information (such as graduation year, program name, etc.).

## What is the Highest Award setting?

When selected, the **Highest Award** checkbox will limit report results to one award per student. This enables school wide analysis by headcount and is selected by default only in the School Summary report. Deselect the checkbox to analyze all members of a group if it may include students who earned other awards at your institution.

## What is the Job Started After Grad Year setting?

When selected, the **Job Started After Grad Year** checkbox will limit report results to profiles whose most recent job started after the year of graduation. This enables analysis of employment outcomes for selected groupings and is selected by default for both the School Summary and Program Snapshot reports. Deselect the checkbox to include profiles whose most recent job started on or before the year of graduation or did not include a job start year.

## Where can I find the percentage of my graduates that Lightcast matched?

A complete overview of match statistics can be found in your institution's summary Excel file.



## How does Lightcast determine if alumni are working in their field of study?

Lightcast compares the SOC code of a profile's most recent job to our custom CIP-SOC mapping to determine whether the job is in or out of the field of study indicated by the CIP code your institution provided. The mapping is based on the NCES CIP-SOC crosswalk and the experience of Lightcast's Professional Services team. In cases where no determination is possible, web reports indicate "out of field."

## What is my region?

The list of counties or states that defines your service region (as specified by your institution) can be found in the region tab of the Pathways or Analysis Excel files. Lightcast uses this list to determine if a matched profile currently resides in or out of your region. \*Note: Filtering the report by geographies outside of this service region will always result in 0 alumni in region.

## How does Lightcast estimate wages?

All wage metrics are an average for the group of your selected alumni. Potential Wage is based on the average wage for their occupation in their county. Estimated wage is based on the median wage for their occupation in their county, and adjusted for age and degree level. All wage data is built from OES and adjusted by QCEW, ACS and other sources.

## How do I cite Lightcast data?

Any time you include Lightcast data in a webpage, report, or other media, you must abide by the following citation guidelines.

1. If you use Lightcast data along with other data sources, you must include either a footnote or an in-text citation for each instance Lightcast data is used, along with the year the data was published by Lightcast. E.g. "Earnings for Idaho attorneys in the 75th percentile of earners is \$57.18/hr.' (Lightcast, 2019)."
2. If you include only Lightcast data, with no other contributing data sources, you may choose to either cite each instance of Lightcast data used, or you may include a general attribution at the beginning or end of your webpage, report, etc. If you choose to include only a general attribution, the attribution must be prominently displayed.
3. In addition to the above requirements, whenever you cite Lightcast data, you must display prominently on the webpage, report, etc. Lightcast's website URL as follows: "Lightcast – lightcast.io". For instance, at the bottom of a webpage containing Lightcast data, you could include the following attribution: "Source: Lightcast- lightcast.io".