

# THE GREATER NEW ORLEANS JOBS REPORT

# 2022

PRESENTED BY



# A word from Bank of America

As Bank of America works to expand its presence in the Greater New Orleans region, GNO, Inc. remains a strong partner. We are proud to continue our support of the Greater New Orleans Jobs Report.

In this year's report, you will find the current and projected middle and high skill occupational needs for five key industry sectors in the Greater New Orleans region—Advanced Manufacturing, Digital Media & Technology, Energy, Transportation & Logistics, and Health Sciences.

Workforce development is a top priority for Bank of America and the clients we serve. Working together, we can address workforce development and training needs that will help the region attract, retain, and expand businesses, create well-paying jobs, and grow revenues.

While recent years have been challenging, we join GNO, Inc.'s staff, board, and partners in the belief that opportunities to drive this region forward are within our reach. We hope the findings help inform your company's talent attraction and retention strategies and lay the groundwork for the future of work in Greater New Orleans.

On behalf of our entire Bank of America team, we thank GNO, Inc. for their leadership, vision, and commitment to strengthening our local community, investing in NextGen talent, and elevating economic progress for our region.

Sincerely,

**Jonathan Matessino**

President

*Bank of America New Orleans / Baton Rouge*



# A word from GNO, Inc.

The secret ingredient to growing the economy in Greater New Orleans is talent, the men and women who power the companies that do remarkable work in our region's industries and will benefit the most from robust job opportunities. Building a stronger, more vibrant middle class in southeastern Louisiana will create an excellent quality of life, for everyone, and develop a more prosperous community for future generations.

The Greater New Orleans Jobs Report helps inform a system of higher education institutions and training providers align their curriculum and programming with workforce needs of our companies. This data will allow regional stakeholders to better partner on long-term programs that will connect people with high-demand, high-wage career opportunities.

There are many factors that can shift the trajectory of the region's economy – business announcements, private and government investments, and aspirational developments – as well as the evolution of new technologies and innovation. With a deeper understanding of current conditions, regional stakeholders can better prepare for occupational shifts and respond accordingly.

New in this year's report is a feature that highlights emerging industries in the Greater New Orleans. These pages each describe the overall economic opportunities and contain an example career profiles that provide details on the specific jobs that our residents can pursue education and training to work within. This will help futureproof the community and economy, and ensure that new innovations will have workers to perform the professions that come along with new business activities.

We encourage lawmakers, higher education leaders, and the heads of key industry sectors to review the pages of this report to gain a better understanding of the current labor conditions in Greater New Orleans as each make critical decisions that will impact the economic trajectory of the region.

This report is made possible by the generous support of Bank of America, whose team is dedicated to building a stronger economy and workforce in Greater New Orleans.

Sincerely,

**Michael Hecht**

*President and CEO*

Greater New Orleans, Inc.



# Contents

Introduction	5
Regional Labor Market Outlook	6
Plan of Action	9
Occupations	
Advanced Manufacturing Occupations	10
Digital Media Occupations	22
Energy & Petrochemical Occupations	34
Life Sciences & Healthcare Occupations	40
Transportation & Warehousing Occupations	52
Glossary	64
Jobs List	65

# Introduction

The 2022 Greater New Orleans Jobs Report builds on GNO, Inc.'s commitment to provide informative and actionable data that can serve as a guide to stakeholders for strategic investments that maximize career pathways and wealth creation. In addition, the Jobs Report informs the workforce development and talent attraction initiatives at GNO, Inc. and ensures our efforts are aligned with high-wage, high-demand careers that can serve as vehicles for economic mobility. The occupations included in this year's edition of the Jobs Report represent both our region's foundational industries as well as emerging industry sectors.

With demand spanning both foundational and emerging industries, a "both/and" approach is critical to diversifying the economy and meeting the workforce needs of all employers and industries in Greater New Orleans. As the region continues to emerge and grow in a post-COVID environment, industry sectors are investing in new technologies and are experiencing an evolution that is creating new career pathways. The emerging profiles outlined in the report provide an opportunity to cultivate, with regional partners, equitable and inclusive talent pipelines that increase generational wealth and a great quality of life, for everyone.

## METHODOLOGY

What follows in this report is an extensive overview of top occupations in the region. GNO, Inc. defines a top occupation as a career opportunity that:

- \* Is comprised of at least 100 jobs as of 2021
- \* Has a median hourly salary of at least \$19.64 (identified by the United Way of Southeast Louisiana as the wage needed to live comfortably in Greater New Orleans)
- \* Experienced job growth from 2011–2021
- \* Is related to at least one of GNO, Inc.'s six industry focus sectors: Advanced Manufacturing, Biosciences, Digital Media, Energy, Environmental Management, or Trade & Logistics

Notes: Because this report's focus is on immediate workforce needs, occupations that required a graduate degree or higher are not included in this report.

The data in this report was extracted from the labor market analytics platform Lightcast.

# Regional Labor Market Outlook

As the macroeconomic winds continue to shift, Greater New Orleans is well-positioned to continue to develop its anchor industries and support the growth of new sectors. It is an economic imperative to work collaboratively to diversify our regional economy and ensure individuals have access to career opportunities in both emerging and foundational occupations. The growth of our region economy depends on the strength of the workforce and talent pipelines.

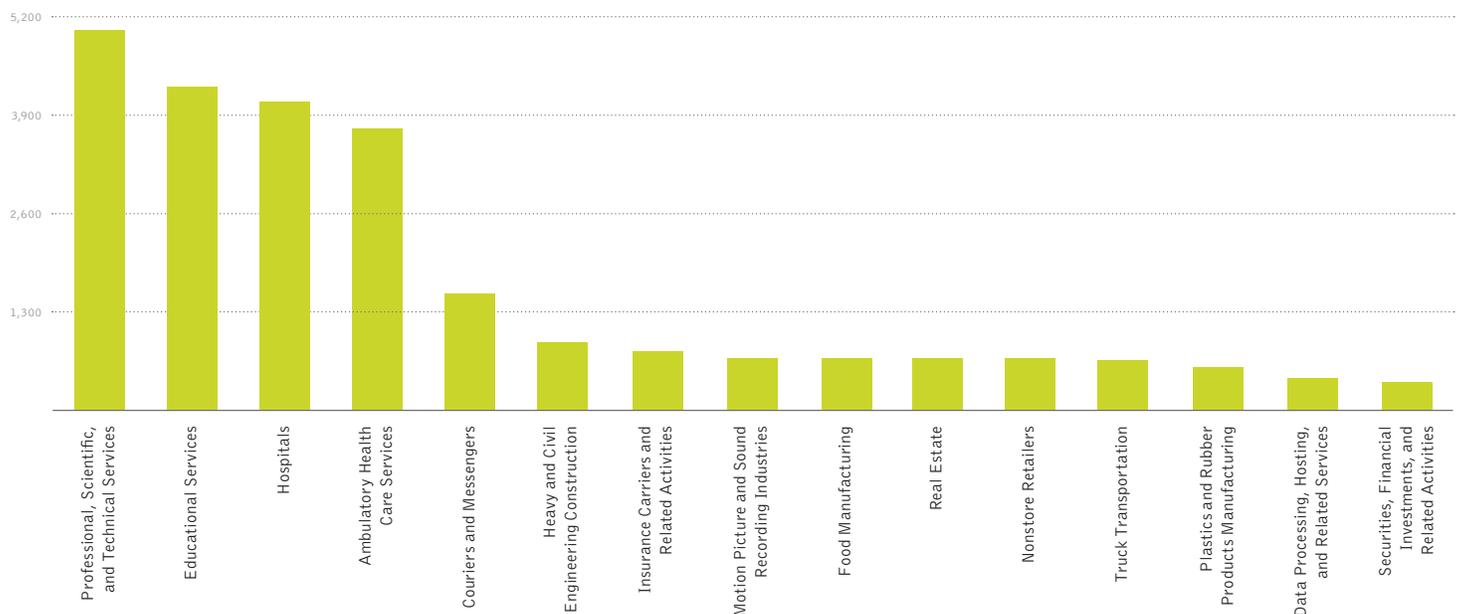
The workforce has seen a variety of shifts as individuals navigate through COVID and in a post-COVID economy.

## INDUSTRY GROWTH

The GNO region has seen foundational and emerging industries shift over the years due to factors such as COVID, natural disasters, legislative actions, consumer preferences, and international conflicts. The chart below illustrates the industries in the region that have seen steady growth over the past decade. Healthcare and education sectors saw major demands due to COVID, contagious viruses, and additional public health crises that continue to occur.

Additionally, the professional services industry continues to see growth in the region that provides strong wages and economic mobility opportunities. Examples of occupations include project managers, software development, and engineering services to name a few. As new technologies emerge and global events occur, industries are shifting to meet the demand. Understanding where these shifts are occurring provides a snapshot of where workforce and educational resources should be allocated to ensure industries continue to grow and individuals can access these careers.

INDUSTRY GROWTH, 2012-2022



Source: Lightcast

**WAGE GROWTH**

Consumer spending and consumption are what make production worthwhile in the modern economy. Individuals can consume only if they have financial power. Employment in high-wage, high-demand careers is key to making a living and generating wealth within communities. The GNO region has seen steady growth in average weekly wages over the past 5 years. However, poverty rates continue to grow in the region. According to the United Way of Southeast Louisiana, 52 percent of Southeast Louisiana’s population live below the ALICE (Asset, Limited, Income, Constrained, Employed) threshold. The growth of and access to high-wage, high-growth careers in the GNO region will aid the growth of weekly wages. The occupations outlined in this report provide insight into the careers that have seen high growth, strong wages, and economic mobility opportunities for individuals.

**AVERAGE WEEKLY WAGES**



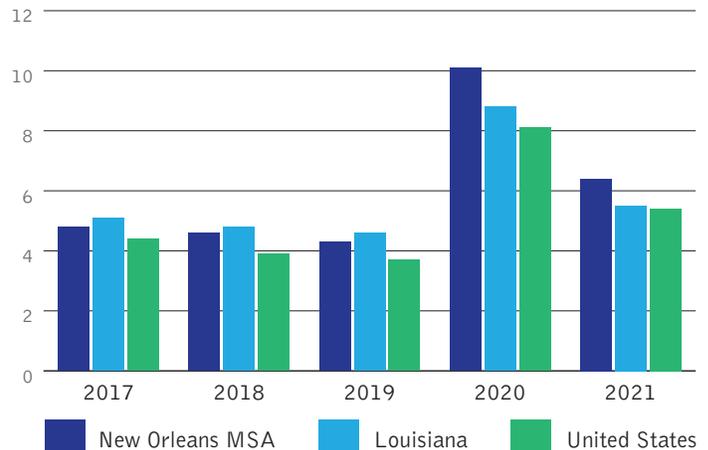
NOTE: Chart wages do not consider current inflation rates.

Source: Lightcast

**UNEMPLOYMENT**

Unemployment in the GNO region continues to be at a high level compared to the state and national rates. However, unemployment continues to see a steady decrease following the jump in 2020 due to COVID. Unemployment plays a role in industry growth and attraction efforts. Low unemployment rates have a direct effect on the strength of the economy and consumer power. The GNO region continues to see progress in unemployment. Efforts to provide accessible and equitable opportunities for individuals to reenter the workforce will help improve the unemployment rates.

**UNEMPLOYMENT RATES**

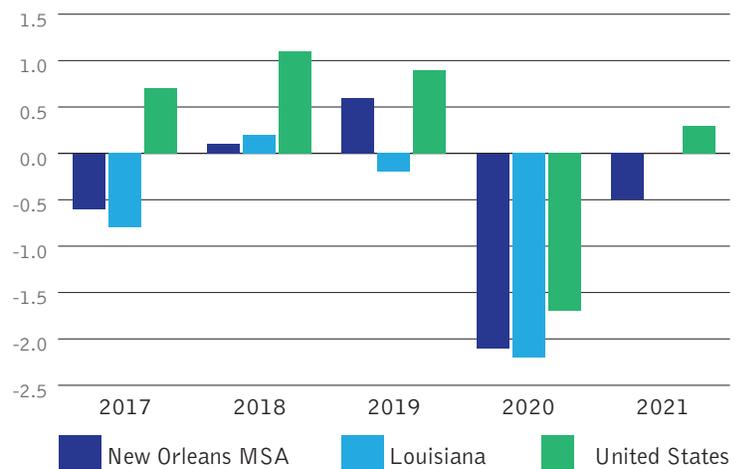


Source: Lightcast

**LABOR FORCE PARTICIPATION**

Labor force participation rates are another key indicator of the regional economy. This important metric measures the relative amount of talent available for employers in the region. The lower the participation rate, the more working-age residents in Greater New Orleans are sitting on the sidelines of our economy. The effects of labor non-participation are potentially significant, as this inhibits economic growth due to talent shortages. While the factors that contribute to downward trends in our regional labor participation rate are many, it will take a collaborative and systemic approach to ensure that working-eligible residents participate in the workforce.

**CIVILIAN LABOR FORCE  
% CHANGE FROM PREVIOUS YEAR**



Source: Lightcast

**EDUCATIONAL ATTAINMENT**

There is a strong correlation between educational attainment and economic prosperity. The more education one attains, the better insulated they are from economic shocks such as COVID. Educational attainment in the GNO region is strong and continues to see growth, particularly in high school graduation rates.

However, there is a need to develop additional education avenues post-high school to access high-wage careers. These avenues are not always the traditional path such as gaining a bachelor’s degree or higher. These non-traditional pathways can take the form of apprenticeships, work-based learning, and on-the-job training.

The GNO region is an educational haven with strong institutions of learning and opportunities to expand accessible pathways to training, leading to high-growth careers. The occupations outlined in this report all require some form of education post-high school. As technologies emerge and industries shift, so will the workforce development and education needs to meet this demand.

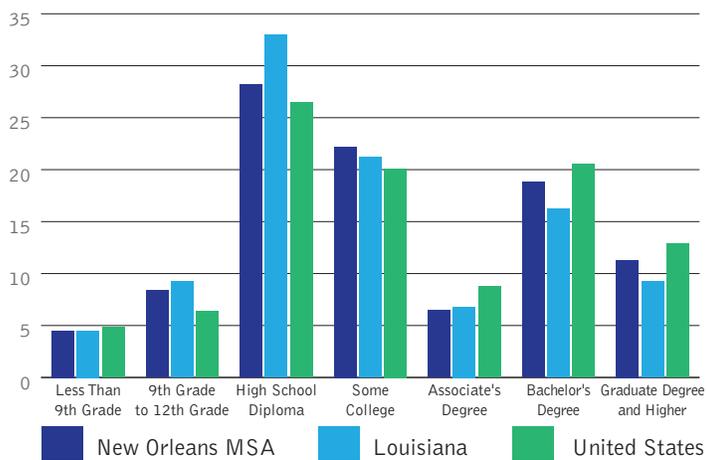
**LOOKING AHEAD**

The occupations outlined in this report show increased demand, high wages, and career mobility for individuals. Developing strong talent pipelines in these areas will aid in the continued economic growth of the region. Talent pipelines are also needed to fill the demand of emerging industries that are developing in the region. These emerging industries are diversifying the region’s economy and providing new career opportunities for individuals.

Areas poised for growth in the region include Neurosciences, Logistics Job, Video Game Development, as well as Renewable Energy, such as Offshore Wind and Clean Hydrogen.

In the industry overviews that follow, each of these industries will begin with a highlight of one emerging occupation within that sector.

**EDUCATIONAL ATTAINMENT**



Source: Lightsource

# GNO, Inc.'s Plan of Action

While the 2022 Jobs Report makes clear that career opportunities in dynamic industries abound in our region, it is important to note the various barriers that inhibit access to these opportunities.

From lack of awareness of pathways into high-wage, high-demand careers to affordability, the headwinds for many in our communities are prominent. However, with a coordinated all-of-system approach, programs can be developed and resources can be deployed to address these impediments.

GNO, Inc. is committed to working with partners across Greater New Orleans to develop robust and accessible talent pipelines with numerous on-ramps for every stage of a resident's employment journey. Our goal is to ensure residents can meaningfully engage with opportunities to transition into high-growth careers. Of particular emphasis is the development of robust pipelines that can serve as a bridge from traditional industries to emerging sectors.

The following workforce development priorities and supporting initiatives at GNO, Inc. underscore our commitment to creating a region with a thriving economy and an excellent quality of life, *for everyone*:

## **CALIBRATING EMPLOYER NEEDS AND LEARNING OPPORTUNITIES OFFERED AT OUR COLLEGES, UNIVERSITIES, AND TRAINING PROVIDERS**

Ensure resources and partnerships are mobilized to support the development of demand-driven curricula and programs that meet the workforce needs of our regional employers and offer pathways into high-wage, high-demand careers.

**GNO, Inc. Supporting Initiative: GNOu**

## **CONVENING STAKEHOLDERS FROM ACROSS THE WORKFORCE DEVELOPMENT ECOSYSTEM**

Lead ecosystem development efforts with workforce development stakeholders to ensure alignment among

resources, programming, and partnerships within the regional talent pipeline.

**GNO, Inc. Supporting Initiatives: GNOu Summit and GNOu Industry Roundtables**

## **BUILDING AWARENESS OF CAREER AND TRAINING OPPORTUNITIES IN GREATER NEW ORLEANS**

Provide opportunities for secondary and post-secondary students, as well as adults, to explore high-growth careers in the region and develop resources for administrators, teachers, counselors, and interested stakeholders to facilitate career awareness. Connect job seekers to training and employment opportunities.

**GNO, Inc. Supporting Initiatives: Relaunch of GNO Career Guide, GNO Jobs Report, GNO Region One Center for STEM, and WorkNOLA.com**

## **COORDINATING EFFORTS WITH OUR 13 COLLEGES AND UNIVERSITIES TO BUILD OUR REGIONAL BRAND AS A DESTINATION FOR LEARNING**

Promote the brand of Greater New Orleans as a national hub of learning and research and provide opportunities for high-level collaboration with our higher education leaders.

**GNO, Inc. Supporting Initiatives: StudyNOLA and Greater New Orleans Higher Education Consortium**

Though GNO, Inc. is confident that the efforts above will make a positive impact in the workforce landscape, we cannot approach the region's workforce challenges alone or in a silo. Informed interventions and partnerships across Greater New Orleans and the state of Louisiana are essential.



# Advanced Manufacturing

With the NASA Michoud Assembly Facility, numerous food and beverage production facilities, and innovative manufacturing companies, this growing sector provides numerous pathways into high-wage, high-demand careers in Greater New Orleans. The skills needed for this field continue to evolve, as the industry is in a period of transition from legacy production to necessary competencies in robotics, electrical, and mechanical systems.

## EMERGING OCCUPATION:

# Clean Energy Manufacturing

An analysis of job postings for this profession from around the United States has identified the following skills as being the most in-demand:

In the wake of significant initiatives to develop a clean hydrogen sector, South Louisiana is well positioned to bridge to a higher-job, lower-carbon future. Specifically, a transition to the production and use of “clean” (zero-carbon) hydrogen (H<sub>2</sub>) can preserve well-paying jobs that have been shed due to efficiencies created by the existing energy industry.

Clean hydrogen – in contrast to traditional hydrogen extracted from fossil fuels – is produced by splitting water (H<sub>2</sub>O) with electrolyzers powered by renewable electricity, such as wind. These electrolyzers, and the equipment that will feed power to them, require the manufacturing of new equipment, and the resulting jobs in this sector will span the spectrum of skills, ranging from design, engineering, and construction, to operations, to long-term maintenance.

The new occupations will be diverse in the educational attainment and skills required for workers to excel. What follows below is an occupational profile that will be critical to supporting the long-term success of this growing sub-sector.

Valves

Instrumentation

Standard Operating Procedure

Preventive Maintenance

Lock Out/Tag Out

Rotating Equipment

Hand Tools

Calibration

Mechanical Systems

Electrical Systems



## Career Profile: Industrial Engineering Technologists & Technicians

Apply engineering theory and principles to problems of industrial layout or manufacturing production, usually under the direction of engineering staff. May perform time and motion studies on worker operations in a variety of industries for purposes such as establishing standard production rates or improving efficiency.

### KEY TASKS

- Troubleshoot or repair mechanical, hydraulic, or electrical malfunctions related to variable pitch systems, variable speed control systems, converter systems, or related components.
- Perform routine maintenance on wind turbine equipment, underground transmission systems, wind fields substations, or fiber optic sensing and control systems.
- Diagnose problems involving wind turbine generators or control systems.
- Test electrical components of wind systems with devices, such as voltage testers, multimeters, oscilloscopes, infrared testers, or fiber optic equipment.
- Start or restart wind turbine generator systems to ensure proper operations.

### TYPICAL EDUCATION AND TRAINING

Associate's degree

### SIMILAR OCCUPATIONS

Cost Estimators

Health and Safety Engineers

Industrial Engineers

# Inspectors, Testers, Sorters, Samplers, and Weighers

Inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications. May use precision measuring instruments and complex test equipment.

2022 Jobs  
**2,133**

2011 – 2021 % Change  
**+26%**

Median Hourly Earnings  
**\$23.14**

Skill Level  
**Middle**

2022 Job Postings  
**393**

## EDUCATION & SKILLS

### EDUCATION

High school diploma or equivalent

### ON THE JOB TRAINING

Moderate-term

### WORK EXPERIENCE

Moderate-term on-the-job training

### TOP PROGRAMS

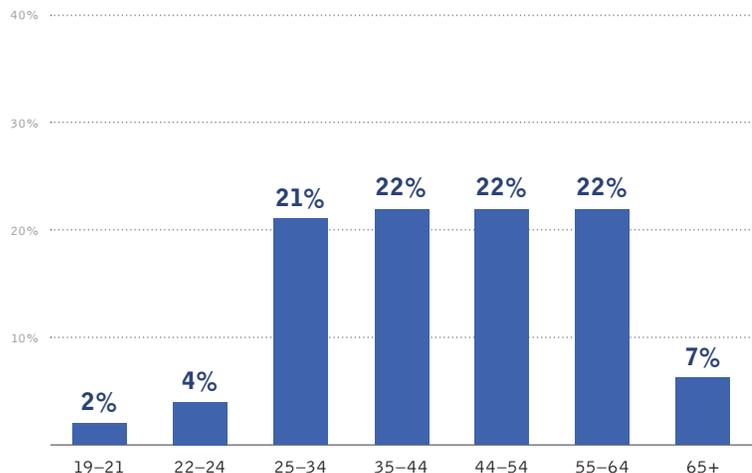
None

### TOP SKILLS

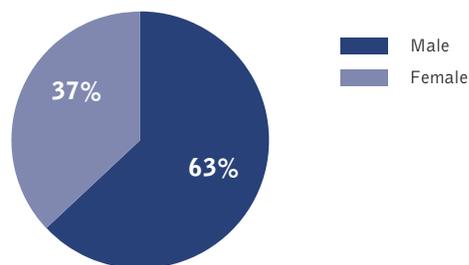
- Construction
- Application Programming Interface (API)
- Corrective And Preventive Action (CAPA)
- Refinery Experience
- Auditing

## DEMOGRAPHICS

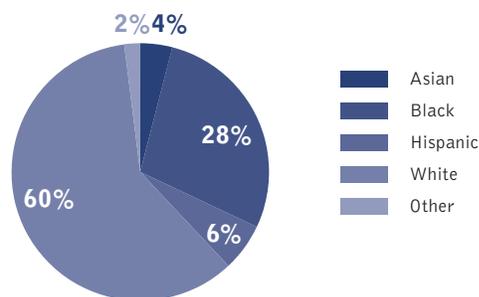
### AGE



### GENDER



### RACE



# Installation, Maintenance, and Repair Workers

All installation, maintenance, and repair workers not listed separately. Includes Operator Technician, Plant Mechanic, and Plant Technician.

2022 Jobs  
**1,971**

2011 – 2021 % Change  
**+103%**

Median Hourly Earnings  
**\$20.67**

Skill Level  
**Middle**

2022 Job Postings  
**120**

## EDUCATION & SKILLS

### EDUCATION

High school diploma or equivalent

### ON THE JOB TRAINING

Moderate-term

### WORK EXPERIENCE

Moderate-term on-the-job training

### TOP PROGRAMS

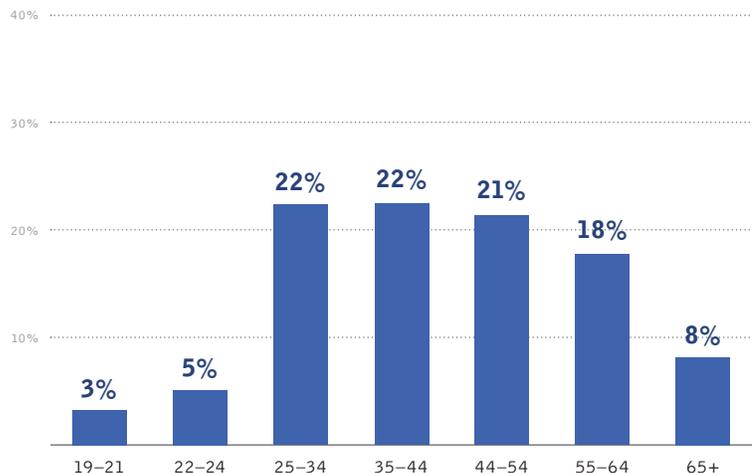
- Geology/Earth Science
- Mechanic and Repair Technologies/Technicians, Other
- Electrical/Electronics Maintenance and Repair Technologies/Technicians, Other

### TOP SKILLS

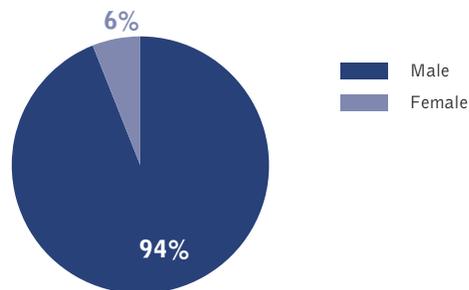
- Equipment Repair
- Auto Glass Installation And Repair
- Customer Communications Management
- Resource Management
- Supply Inventory

## DEMOGRAPHICS

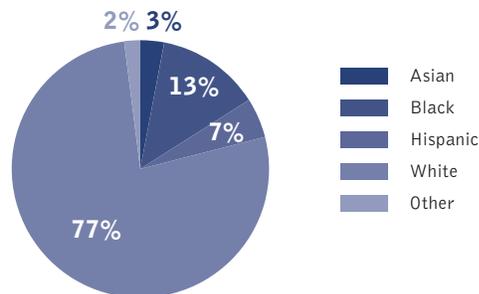
### AGE



### GENDER



### RACE



# Machinists

Set up and operate a variety of machine tools to produce precision parts and instruments out of metal. Includes precision instrument makers who fabricate, modify, or repair mechanical instruments. May also fabricate and modify parts to make or repair machine tools or maintain industrial machines.

2022 Jobs

886

2011 – 2021 % Change

10%

Median Hourly Earnings

\$23.73

Skill Level

Middle

2022 Job Postings

116

## EDUCATION & SKILLS

### EDUCATION

High school diploma or equivalent

### ON THE JOB TRAINING

Long-term

### WORK EXPERIENCE

Long-term on-the-job training

### TOP PROGRAMS

Machine Tool Technology/  
Machinist

Industrial Mechanics and  
Maintenance Technology/  
Technician

### TOP SKILLS

Machining

Lathes

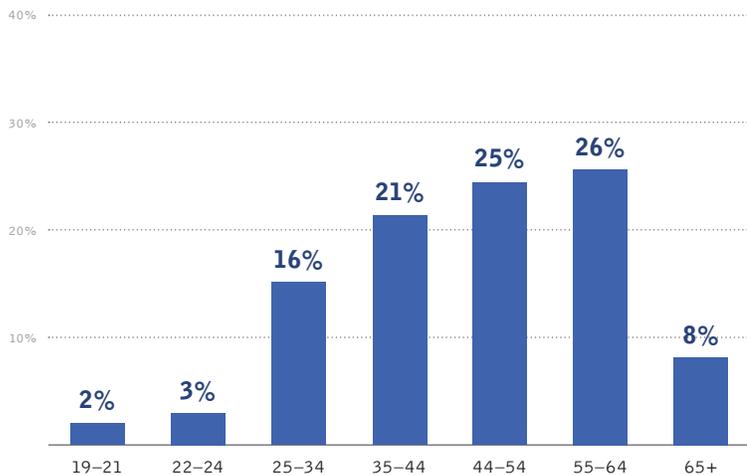
Milling

Engineering Drawings

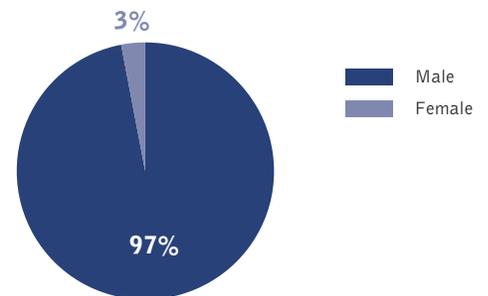
Machinery

## DEMOGRAPHICS

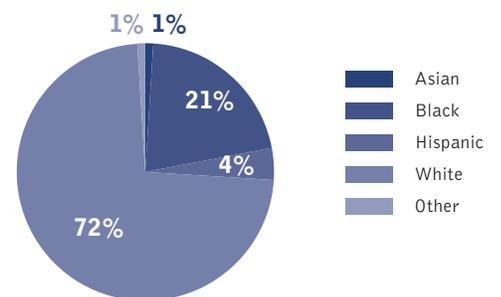
### AGE



### GENDER



### RACE



# Chemical Equipment Operators and Tenders

Operate or tend equipment to control chemical changes or reactions in the processing of industrial or consumer products. Equipment used includes devulcanizers, steam-jacketed kettles, and reactor vessels.

2022 Jobs

516

2011 – 2021 % Change

+130%

Median Hourly Earnings

\$30.14

Skill Level

Middle

2022 Job Postings

35

## EDUCATION & SKILLS

### EDUCATION

High school diploma or equivalent

### TOP PROGRAMS

Chemical Technology/  
Technician

### TOP SKILLS

Emergency Response  
Standard Operating Procedure  
Equipment Operation  
Instrumentation  
Occupational Safety And Health

### ON THE JOB TRAINING

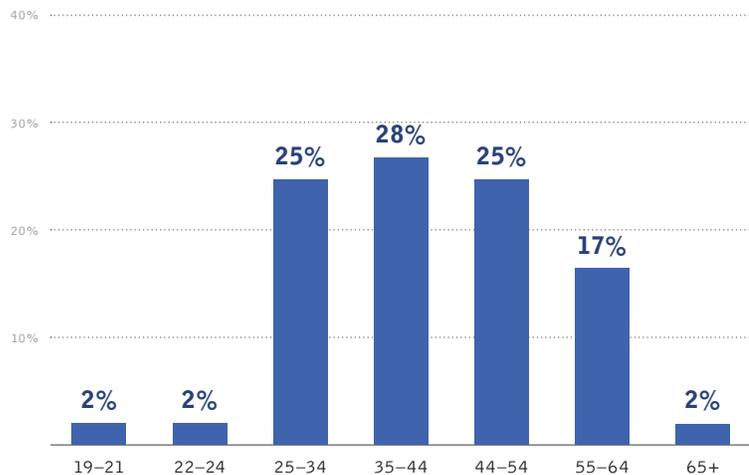
Moderate-term

### WORK EXPERIENCE

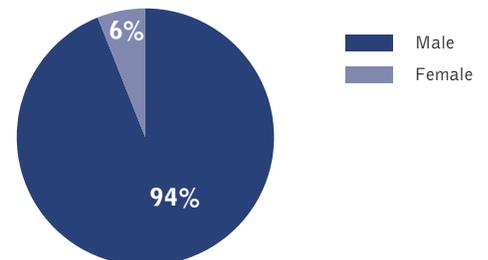
Moderate-term on-the-job training

## DEMOGRAPHICS

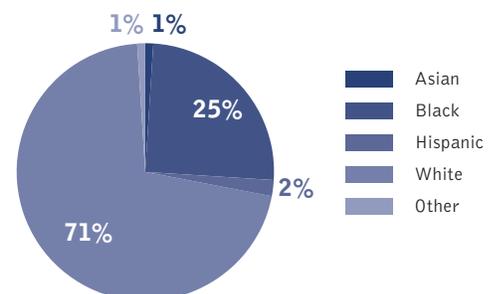
### AGE



### GENDER



### RACE



# Millwrights

Install, dismantle, or move machinery and heavy equipment according to layout plans, blueprints, or other drawings.

2022 Jobs

466

2011 – 2021 % Change

+304%

Median Hourly Earnings

\$28.84

Skill Level

Middle

2022 Job Postings

77

## EDUCATION & SKILLS

### EDUCATION

High school diploma or equivalent

### TOP PROGRAMS

Chemical Technology/  
Technician

### TOP SKILLS

Emergency Response  
Standard Operating Procedure  
Equipment Operation  
Instrumentation  
Occupational Safety And Health

### ON THE JOB TRAINING

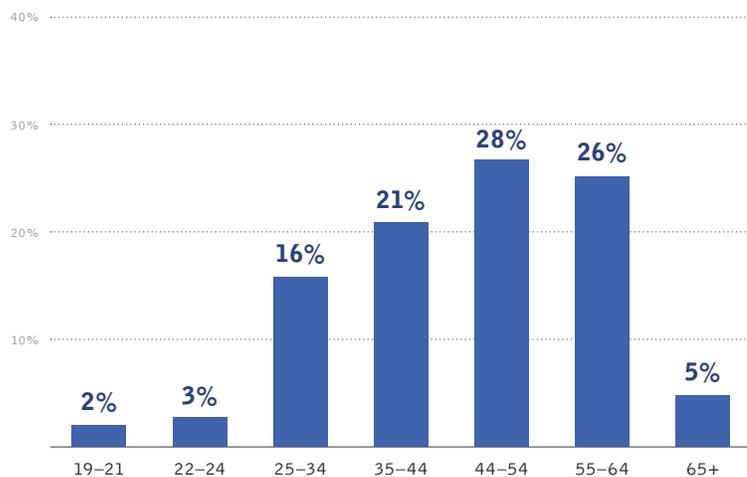
Moderate-term

### WORK EXPERIENCE

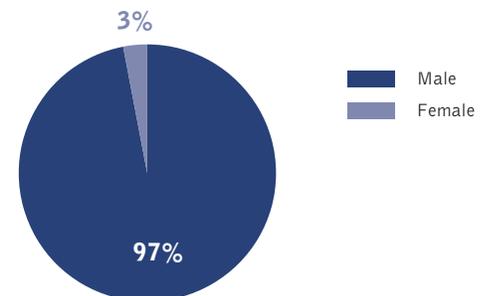
Moderate-term on-the-job training

## DEMOGRAPHICS

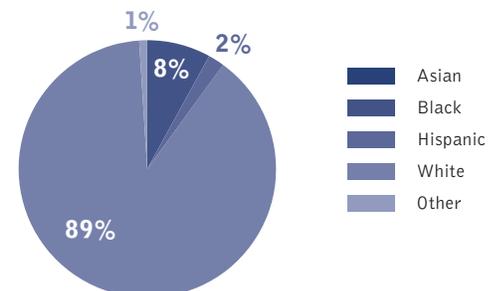
### AGE



### GENDER



### RACE



# Aircraft Structure, Surfaces, Rigging, and Systems Assemblers

Assemble, fit, fasten, and install parts of airplanes, space vehicles, or missiles, such as tails, wings, fuselage, bulkheads, stabilizers, landing gear, rigging and control equipment, or heating and ventilating systems.

2022 Jobs

362

2011 – 2021 % Change

+260%

Median Hourly Earnings

\$23.41

Skill Level

Middle

2022 Job Postings

66

## EDUCATION & SKILLS

### EDUCATION

High school diploma or equivalent

### ON THE JOB TRAINING

Moderate-term

### WORK EXPERIENCE

Moderate-term on-the-job training

### TOP PROGRAMS

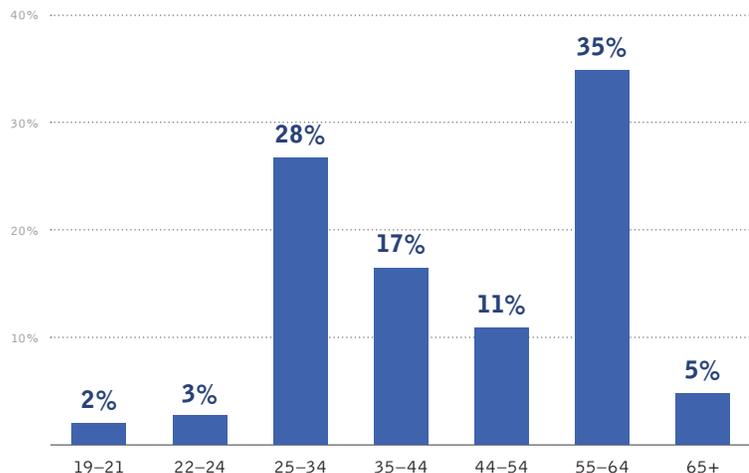
Aeronautical/Aerospace Engineering Technology/Technician

### TOP SKILLS

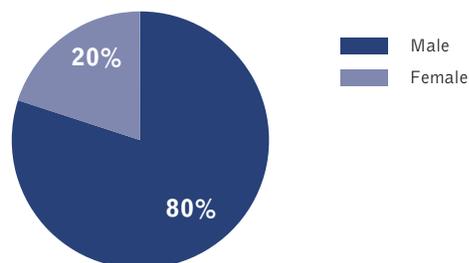
Hand Tools  
Power Tool Operation  
Drilling  
Screwdrivers  
Hammers

## DEMOGRAPHICS

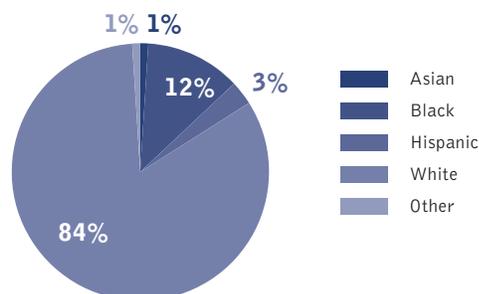
### AGE



### GENDER



### RACE



# Plant and System Operators, All Other

All plant and system operators not listed separately. Includes Production Operator, Pressure Controller, and Process Technician.

2022 Jobs

319

2011 – 2021 % Change

+169%

Median Hourly Earnings

\$25.29

Skill Level

Middle

2022 Job Postings

2

## EDUCATION & SKILLS

### EDUCATION

High school diploma or equivalent

### TOP PROGRAMS

N/A

### TOP SKILLS

- Machinery
- Hand Tools
- Labor Law
- Management Development
- Heavy Equipment

### ON THE JOB TRAINING

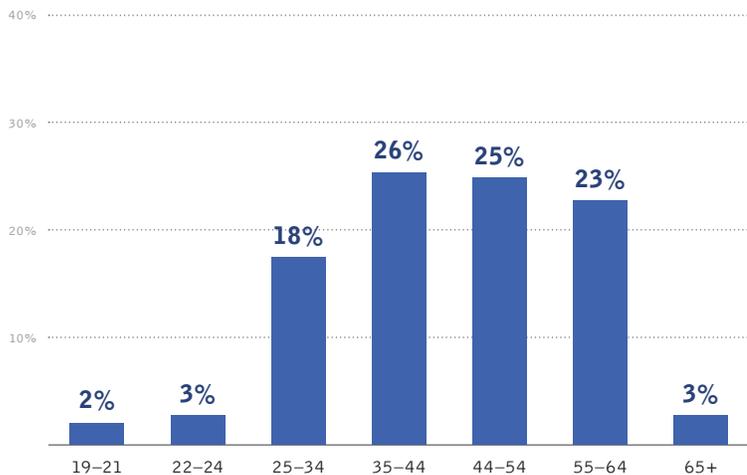
Moderate-term

### WORK EXPERIENCE

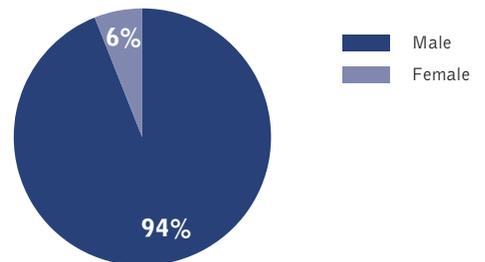
Moderate-term on-the-job training

## DEMOGRAPHICS

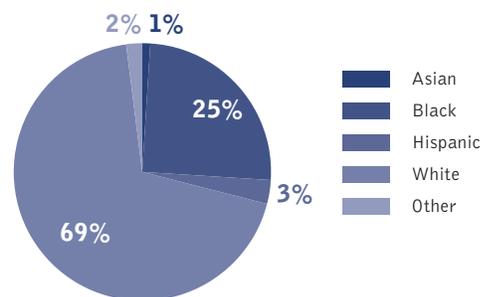
### AGE



### GENDER



### RACE



# Industrial Engineering Technologists and Technicians

Apply engineering theory and principles to problems of industrial layout or manufacturing production, usually under the direction of engineering staff. May perform time and motion studies on worker operations in a variety of industries for purposes such as establishing standard production rates or improving efficiency.

2022 Jobs

136

2011 – 2021 % Change

+77%

Median Hourly Earnings

\$37.30

Skill Level

Middle

2022 Job Postings

251

## EDUCATION & SKILLS

### EDUCATION

Associate's Degree

### ON THE JOB TRAINING

N/A

### WORK EXPERIENCE

N/A

### TOP PROGRAMS

Industrial Technology/  
Technician

Industrial Production  
Technologies/Technicians,  
Other

Engineering Technologies/  
Technicians, General

### TOP SKILLS

Machinery

Preventive Maintenance

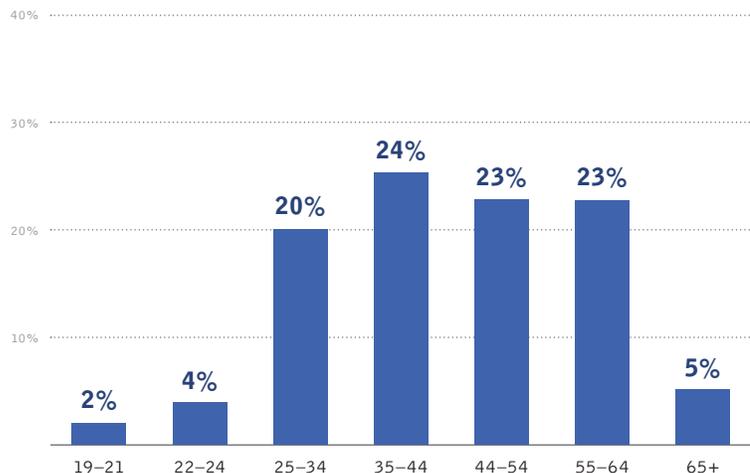
Hand Tools

Power Tool Operation

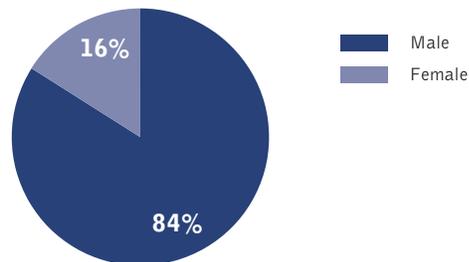
Industrial Repair And  
Maintenance

## DEMOGRAPHICS

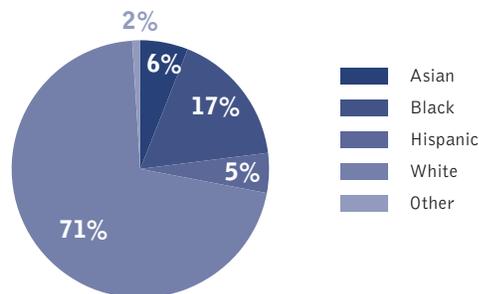
### AGE



### GENDER



### RACE



# Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic

Set up, operate, or tend more than one type of cutting or forming machine tool or robot.

2022 Jobs

126

2011 – 2021 % Change

+26%

Median Hourly Earnings

\$22.53

Skill Level

Middle

2022 Job Postings

4

## EDUCATION & SKILLS

### EDUCATION

High school diploma or equivalent

### ON THE JOB TRAINING

Moderate-term

### WORK EXPERIENCE

Moderate-term on-the-job training

### TOP PROGRAMS

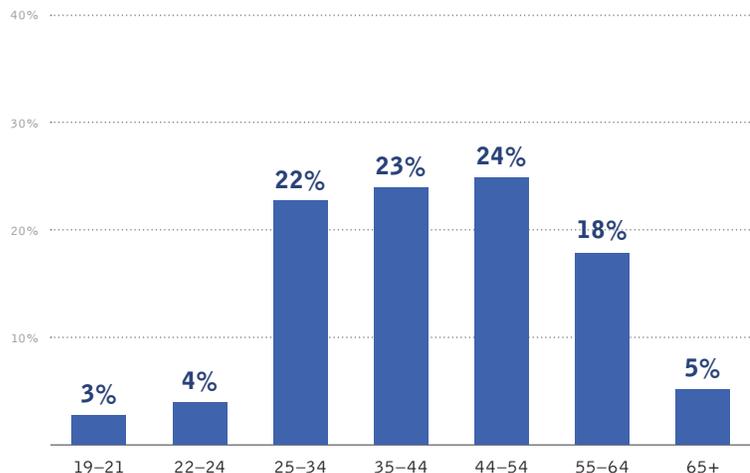
Machine Tool Technology/  
Machinist

### TOP SKILLS

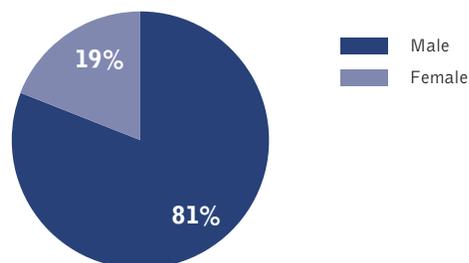
Machinery  
Production Equipment  
Hardware Troubleshooting  
Machine Operation  
Forklift Operation

## DEMOGRAPHICS

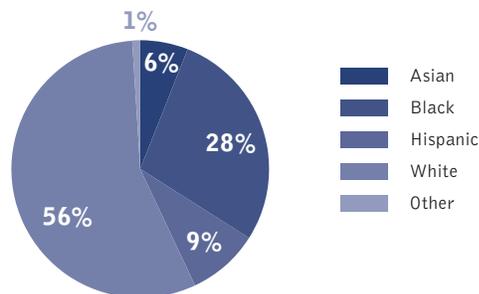
### AGE



### GENDER



### RACE



# Mechanical Engineering Technologists and Technicians

Apply theory and principles of mechanical engineering to modify, develop, test, or adjust machinery and equipment under direction of engineering staff or physical scientists.

2022 Jobs

123

2011 – 2021 % Change

+20%

Median Hourly Earnings

\$37.31

Skill Level

Middle

2022 Job Postings

56

## EDUCATION & SKILLS

### EDUCATION

Associate's degree

### ON THE JOB TRAINING

N/A

### WORK EXPERIENCE

N/A

### TOP PROGRAMS

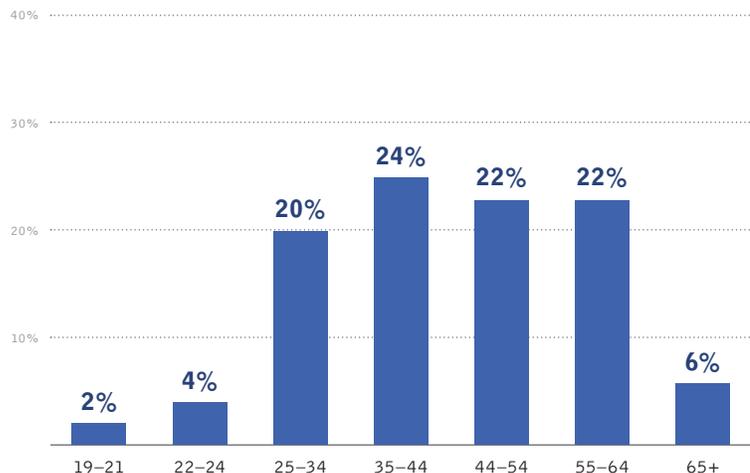
Engineering Technologies/  
Technicians, General

### TOP SKILLS

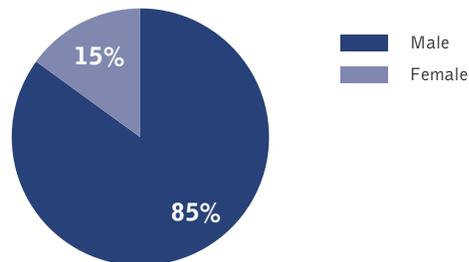
Hand Tools  
Engineering Drawings  
Mechanical Assembly  
Power Tool Operation  
Control Systems

## DEMOGRAPHICS

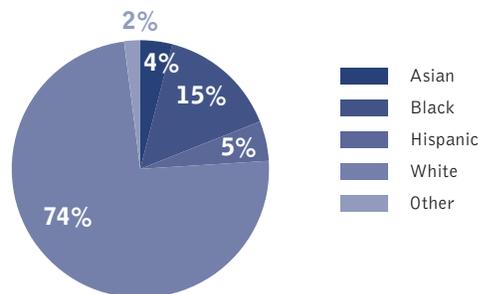
### AGE



### GENDER



### RACE





# Digital Media

As the region continues to push forward past the initial disruption of the COVID pandemic, the demand for critical information technology and digital media skills has only expanded. The region boasts numerous small, medium, and large-size companies with workforce needs ranging from user support to web developers. Regional employers in this sector have shown a growing appreciation of skills over traditional credentials, making the IT and Digital Media industry a prime target for career transitions and economic mobility.

## EMERGING OCCUPATION:

# Video Game Development

An analysis of job postings at local video game development studios over the past two years has identified the following skills as being the most in-demand

React.js  
 JavaScript  
 Elixir  
 Python  
 Cascading Style Sheets  
 Node.js  
 Ruby on Rails  
 JIRA  
 Java

According to a recent report by PwC, the global video game market value has grown by 78% from 2017 to 2021. Currently valued at \$214.2 billion, the market is expected to further grow by nearly 50% from 2021 to 2026. There are several reasons for exponential growth in the video game sector, including, but not limited to, improved internet connections, diversity of gaming models, including mobile devices, and elimination of physical discs needed to play a game.

Corresponding with global growth, the Greater New Orleans market has seen strong growth in the sector, especially when it comes to attracting top-tier video game development studios.

However, to meet the demands of a rapidly growing industry, workers need a particular skill set. These unique skills will not only allow workers to enter the industry but to also access high-wage, high-growth jobs.

## Career Profile: Video Game Designers

*Design core features of video games. Specify innovative game and role-play mechanics, story lines, and character biographies. Create and maintain design documentation. Guide and collaborate with production staff to produce games as designed.*

### KEY TASKS

- Balance and adjust gameplay experiences to ensure the critical and commercial success of the product.
- Collaborate with artists to achieve appropriate visual style.
- Conduct regular design reviews throughout the game development process.
- Consult with multiple stakeholders to define requirements and implement online features.
- Create and manage documentation, production schedules, prototyping goals, and communication plans in collaboration with production staff.

### TYPICAL EDUCATION AND TRAINING

Bachelor's degree

### SIMILAR OCCUPATIONS

Computer Programmers  
 Software Developers  
 Web Developers



# Computer Occupations, All Other

All computer occupations not listed separately. Includes Webmaster, Systems Security Engineer, IT Project Manager

2022 Jobs

2,014

2011–21 % Change

+40%

Median Hourly Earnings

\$35.98

Skill Level

High

2022 Job Postings

1,659

## EDUCATION & SKILLS

### EDUCATION

Bachelor's degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

Less than 5 years

### TOP PROGRAMS

Computer Systems Networking and Telecommunications

Marketing/Marketing Management, General

Business/Commerce, General

### TOP SKILLS

Computer Science

Agile Methodology

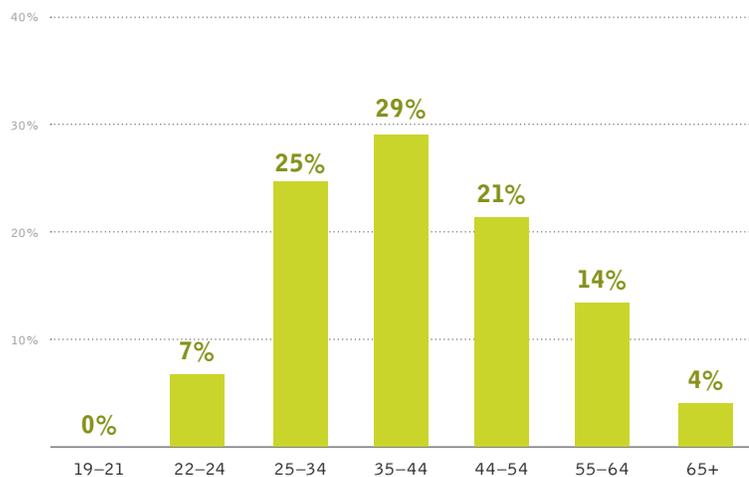
Project Management

Automation

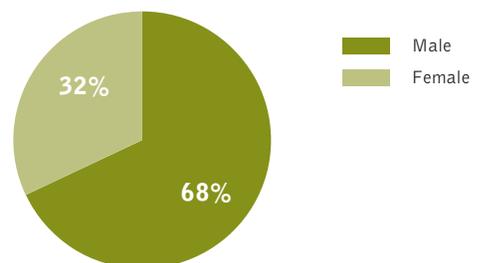
Solution Architecture

## DEMOGRAPHICS

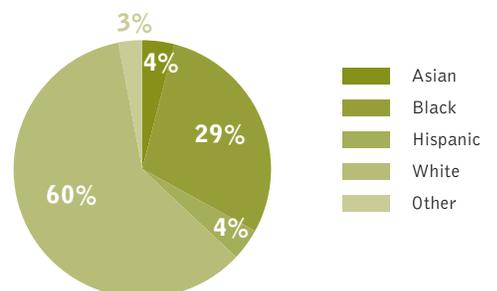
### AGE



### GENDER



### RACE



# Computer User Support Specialists

Provide technical assistance to computer users. Answer questions or resolve computer problems for clients in person, via telephone, or electronically. May provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems.

2022 Jobs

1,322

2011-21 % Change

+11%

Median Hourly Earnings

\$22.81

Skill Level

Middle

2022 Job Postings

1,286

## EDUCATION & SKILLS

### EDUCATION

Some college, no degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

Computer Science

Computer and Information Sciences, General

Information Technology

### TOP SKILLS

Help Desk Support

Technical Support

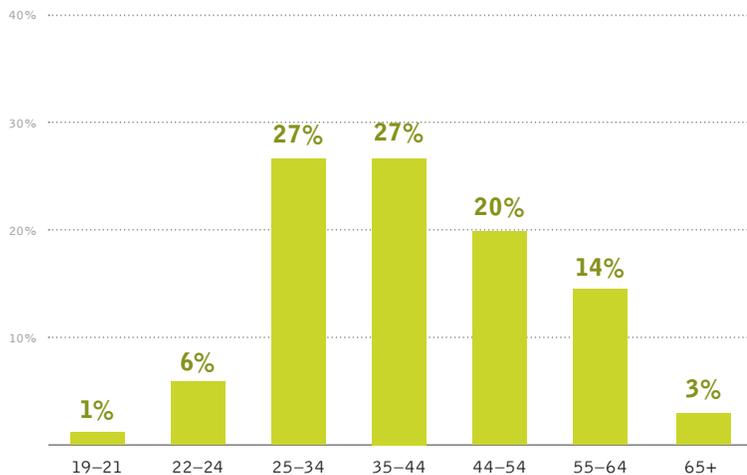
Operating Systems

Desktop Support

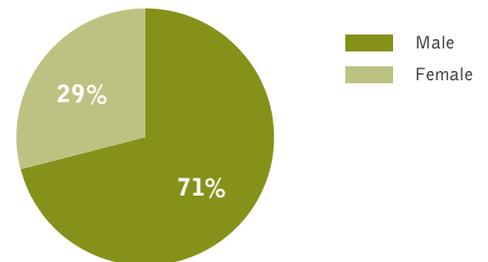
Active Directory

## DEMOGRAPHICS

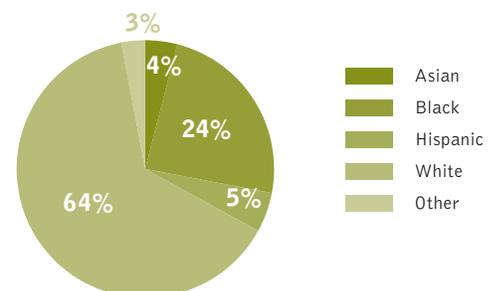
### AGE



### GENDER



### RACE



# Computer Systems Analysts

Analyze science, engineering, business, and other data processing problems to develop and implement solutions to complex applications problems, system administration issues, or network concerns. Perform systems management and integration functions, improve existing computer systems.

2022 Jobs

1,157

2011–21 % Change

+12%

Median Hourly Earnings

\$40.22

Skill Level

High

2022 Job Postings

736

## EDUCATION & SKILLS

### EDUCATION

Bachelor's degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

Computer Systems Networking and Telecommunications

Computer Science

Computer and Information Sciences, General

### TOP SKILLS

Systems Analysis

Computer Science

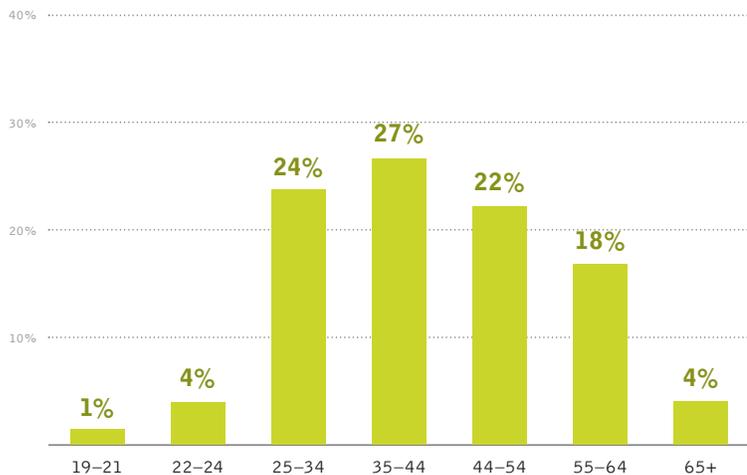
Business Requirements

Workflow Management

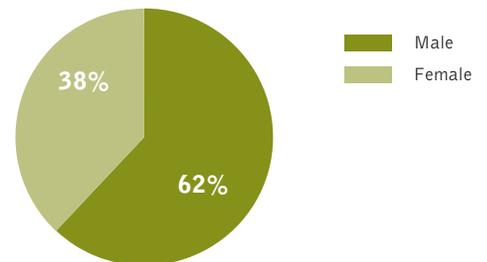
Agile Methodology

## DEMOGRAPHICS

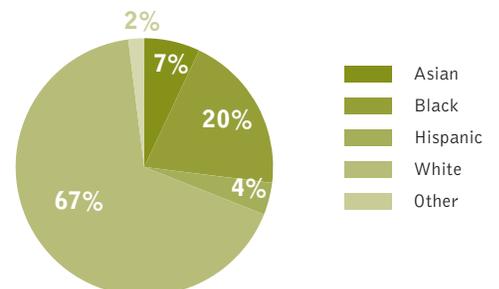
### AGE



### GENDER



### RACE



# Software Developers

Research, design, and develop computer and network software or specialized utility programs. Analyze user needs and develop software solutions, applying principles and techniques of computer science, engineering, and mathematical analysis. Update software or enhance existing software capabilities.

2022 Jobs

1,118

2011–21 % Change

+9%

Median Hourly Earnings

\$47.25

Skill Level

High

2022 Job Postings

1,977

## EDUCATION & SKILLS

### EDUCATION

Bachelor's degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

Computer Science

Computer and Information Sciences, General

Cloud Computing

### TOP SKILLS

Computer Science

Software Engineering

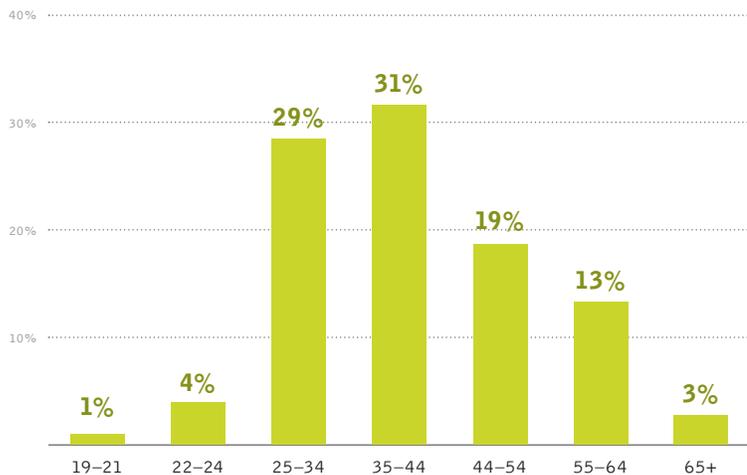
Agile Methodology

SQL (Programming Language)

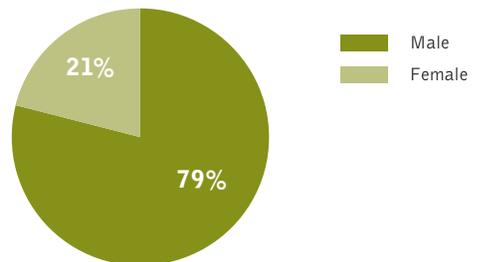
Java (Programming Language)

## DEMOGRAPHICS

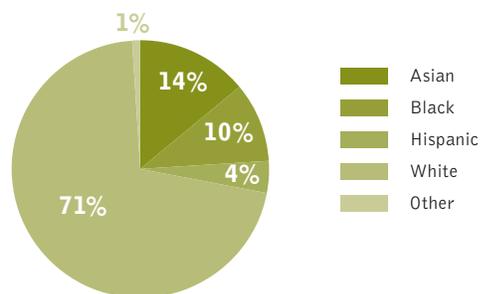
### AGE



### GENDER



### RACE



# Computer and Information Systems Managers

Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming.

2022 Jobs  
**855**

2011–21 % Change  
**+4%**

Median Hourly Earnings  
**\$60.43**

Skill Level  
**High**

2022 Job Postings  
**116**

## EDUCATION & SKILLS

### EDUCATION

Bachelor's degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

5 years or more

### TOP PROGRAMS

Business Administration and Management, General

Computer Systems Networking and Telecommunications

Computer Science

### TOP SKILLS

Computer Science

Agile Methodology

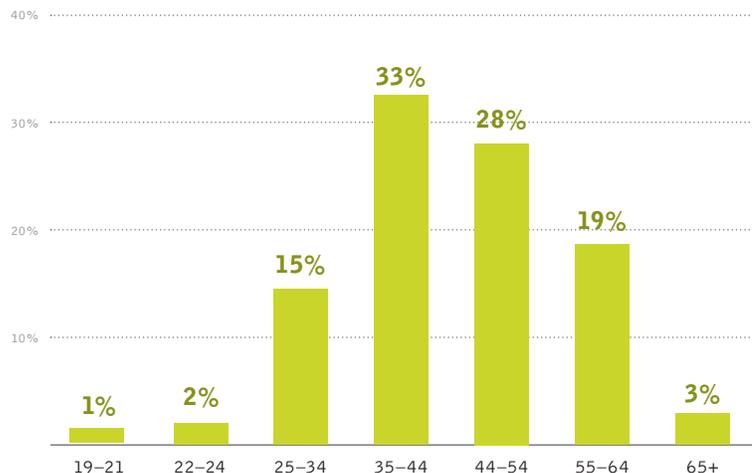
Project Management

Technology Solutions

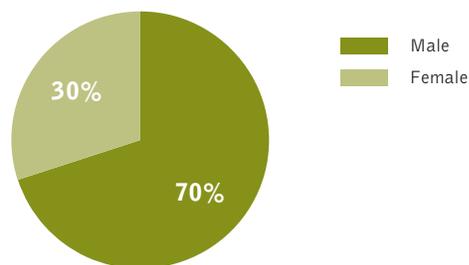
Business Strategies

## DEMOGRAPHICS

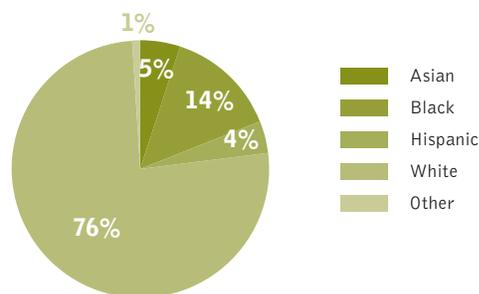
### AGE



### GENDER



### RACE



# Computer Network Support Specialists

Analyze, test, troubleshoot, and evaluate existing network systems, such as local area networks (LAN), wide area networks (WAN), cloud networks, servers, and other data communications networks. Perform system maintenance to ensure networks operate correctly with minimal interruption.

2022 Jobs

483

2011–21 % Change

22%

Median Hourly Earnings

\$28.72

Skill Level

Middle

2022 Job Postings

123

## EDUCATION & SKILLS

### EDUCATION

Associate's degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

Computer Systems Networking and Telecommunications

Computer Science

Computer and Information Sciences, General

### TOP SKILLS

Network Support

Computer Science

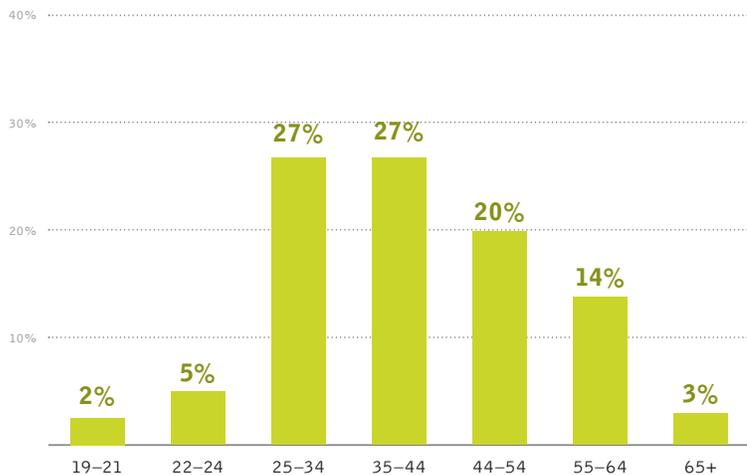
Local Area Networks

Operating Systems

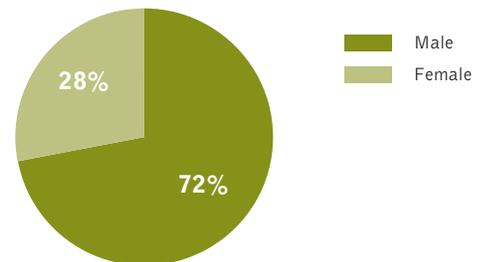
Computer Networks

## DEMOGRAPHICS

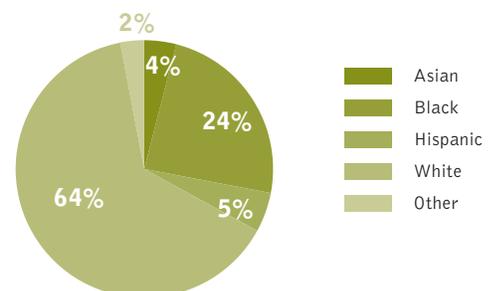
### AGE



### GENDER



### RACE



# Information Security Analysts

Plan, implement, upgrade, or monitor security measures for the protection of computer networks and information. Assess system vulnerabilities for security risks and propose and implement risk mitigation strategies.

2022 Jobs

255

2011–21 % Change

+13%

Median Hourly Earnings

\$37.71

Skill Level

High

2022 Job Postings

477

## EDUCATION & SKILLS

### EDUCATION

Bachelor's degree

### ON THE JOB TRAINING

Less than 5 years

### WORK EXPERIENCE

None

### TOP PROGRAMS

Computer Systems Networking and Telecommunications

Computer Science

Computer and Information Systems Security/Auditing/Information Assurance

### TOP SKILLS

Cyber Security

Computer Science

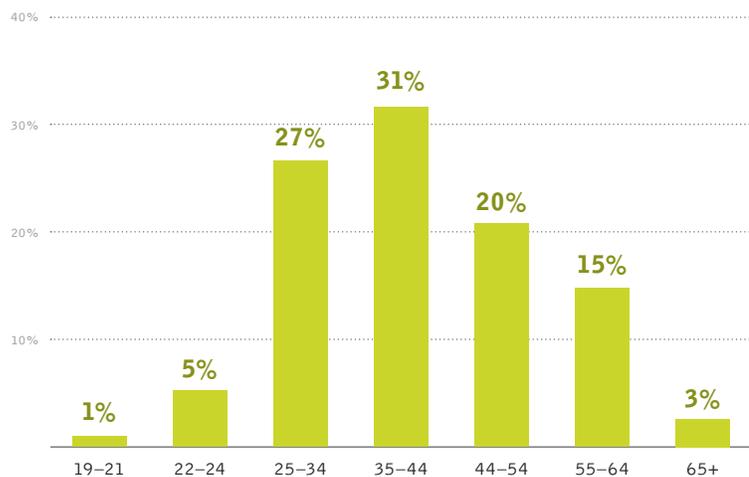
Vulnerability

Risk Analysis

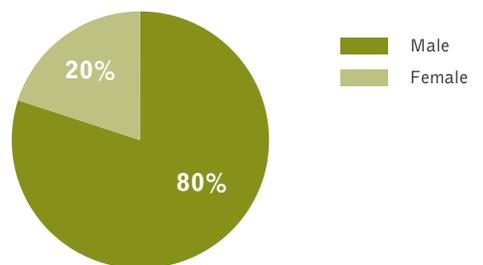
Auditing

## DEMOGRAPHICS

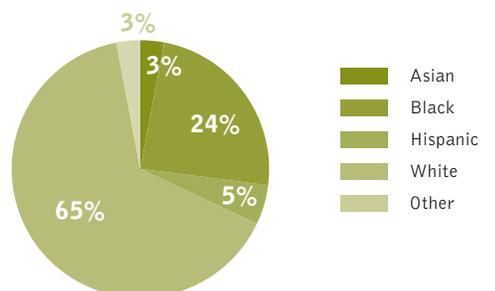
### AGE



### GENDER



### RACE



# Web Developers

Develop and implement websites, web applications, application databases, and interactive web interfaces. Evaluate code to ensure that it is properly structured, meets industry standards, and is compatible with browsers and devices. Optimize website performance, scalability, and server-side code and processes.

2022 Jobs

235

2011–21 % Change

+51%

Median Hourly Earnings

\$19.84

Skill Level

High

2022 Job Postings

317

## EDUCATION & SKILLS

### EDUCATION

Bachelor's degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

Computer Science

Computer and Information Sciences, General

Digital Communication and Media/Multimedia

### TOP SKILLS

JavaScript (Programming Language)

Cascading Style Sheets (CSS)

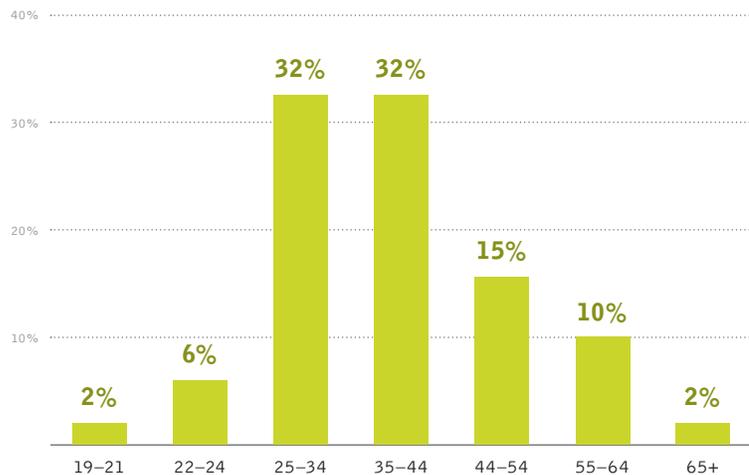
User Experience

HyperText Markup Language (HTML)

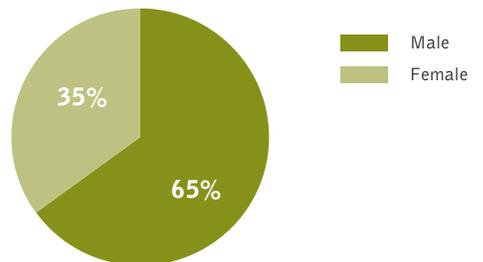
User Interface

## DEMOGRAPHICS

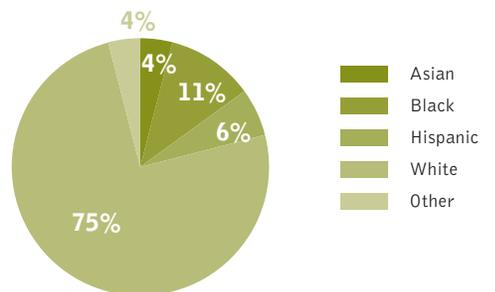
### AGE



### GENDER



### RACE



# Database Administrators

Administer, test, and implement computer databases, applying knowledge of database management systems. Coordinate changes to computer databases. Identify, investigate, and resolve database performance issues, database capacity, and database scalability.

2022 Jobs

180

2011–21 % Change

+20%

Median Hourly Earnings

\$35.85

Skill Level

High

2022 Job Postings

345

## EDUCATION & SKILLS

### EDUCATION

Bachelor's degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

Computer Systems Networking and Telecommunications

Computer Science

Data Processing and Data Processing Technology/Technician

### TOP SKILLS

SQL (Programming Language)

Computer Science

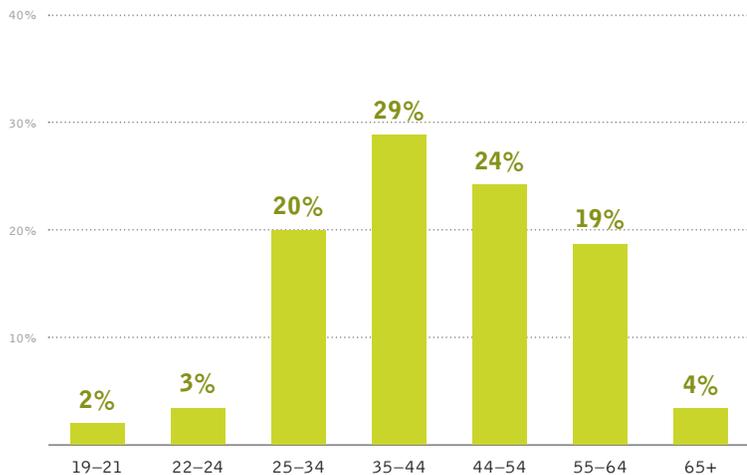
Extract Transform Load (ETL)

Python (Programming Language)

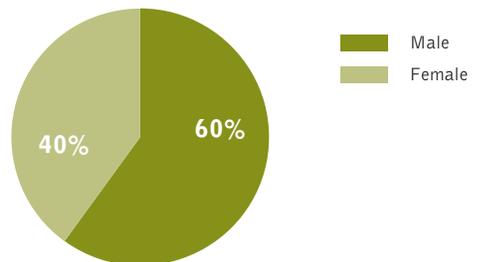
Agile Methodology

## DEMOGRAPHICS

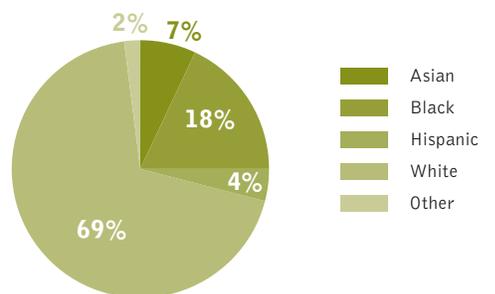
### AGE



### GENDER



### RACE



# Web and Digital Interface Designers

Design digital user interfaces or websites. Develop and test layouts, interfaces, functionality, and navigation menus to ensure compatibility and usability across browsers or devices. May use web framework applications as well as client-side code and processes.

2022 Jobs

173

2011–21 % Change

+5%

Median Hourly Earnings

\$20.87

Skill Level

High

2022 Job Postings

78

## EDUCATION & SKILLS

### EDUCATION

Bachelor's degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

Computer Science

Computer and Information Sciences, General

Graphic Design

### TOP SKILLS

Project Management

Marketing

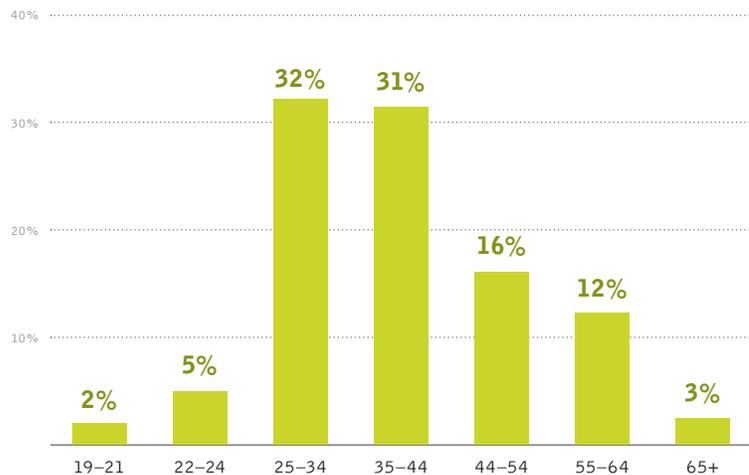
Operational Excellence

Technology Solutions

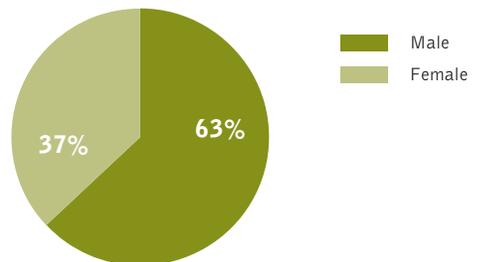
Game Design

## DEMOGRAPHICS

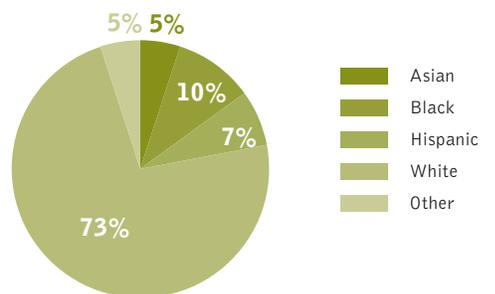
### AGE

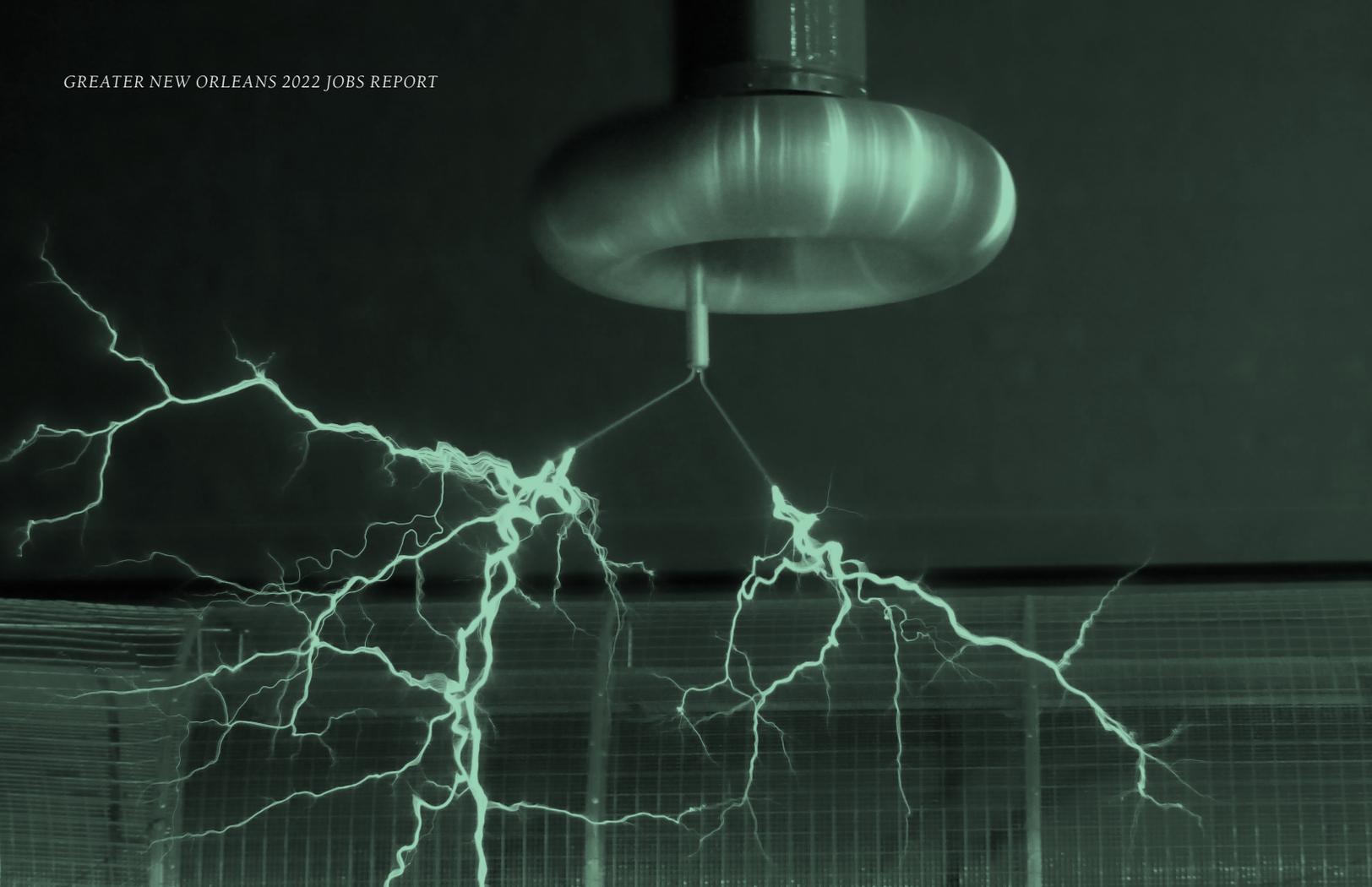


### GENDER



### RACE





# Energy & Petrochemical Occupations

With sizeable energy production and processing capacity, Greater New Orleans is a pivotal player in the world's energy supply chain. As such, the region boasts many opportunities for jobs in this industry. With additional sizeable investment from government and business in "new energy," Greater New Orleans is now positioned to be a national hub for energy careers for many years to come.

## EMERGING OCCUPATION:

## Renewable Energy

Louisiana and Greater New Orleans have long been the world's leading market for energy production, processing, and transportation. As the energy industry continues to evolve, the regional workforce is primed to capitalize on these opportunities.

Over the past decade, renewable energy jobs in Louisiana have experienced a 17% increase and workers who occupy these careers earn median hourly earnings 125% higher than average. Looking ahead over the next decade, thousands of skilled workers will be needed to maintain and grow the wind energy sector. According to an estimate by the American Clean Power Association, as many as 17,500 jobs would be created by just two wind farms in the Gulf Of Mexico.

In order to capitalize on the thousands of projected new jobs as a result of wind energy, it is critical that workers have the necessary skills to access these high-wage, high-growth jobs. Although many of the skill sets for work from the oil and gas sector may be similar, often times there may be a new skill or certification to be obtained.

An analysis of job postings for this profession from around the United States has identified the following skills as being the most in-demand:

Turbines

Hydraulics

Power Tool Operation

Diagnostic Tools

Preventive Maintenance

Tooling

Electronic Components

Torque

Wind Farming

Supervisory Control and Data Acquisition (SCADA)

*Career Profile: Wind Turbine Service Technician*

Inspect, diagnose, adjust, or repair wind turbines. Perform maintenance on wind turbine equipment including resolving electrical, mechanical, and hydraulic malfunctions.

**KEY TASKS**

- Troubleshoot or repair mechanical, hydraulic, or electrical malfunctions related to variable pitch systems, variable speed control systems, converter systems, or related components.
- Perform routine maintenance on wind turbine equipment, underground transmission systems, wind fields substations, or fiber optic sensing and control systems.
- Diagnose problems involving wind turbine generators or control systems.
- Test electrical components of wind systems with devices, such as voltage testers, multimeters, oscilloscopes, infrared testers, or fiber optic equipment.
- Start or restart wind turbine generator systems to ensure proper operations.

**TYPICAL EDUCATION AND TRAINING**

Postsecondary nondegree award

Long-term on-the-job training

**SIMILAR OCCUPATIONS**

Cost Estimators

Health and Safety Engineers

Industrial Engineers

# Chemical Equipment Operators and Tenders

Operate or tend equipment to control chemical changes or reactions in the processing of industrial or consumer products. Equipment used includes devulcanizers, steam-jacketed kettles, and reactor vessels.

2022 Jobs

516

2012-2 % Change

+130%

Median Hourly Earnings

\$30.14

Skill Level

Middle

2022 Job Postings

35

## EDUCATION & SKILLS

### EDUCATION

High school diploma or equivalent

### TOP PROGRAMS

Chemical Technology/Technician

### TOP SKILLS

- Emergency Response
- Standard Operating Procedure
- Equipment Operation
- Instrumentation
- Occupational Safety And Health

### ON THE JOB TRAINING

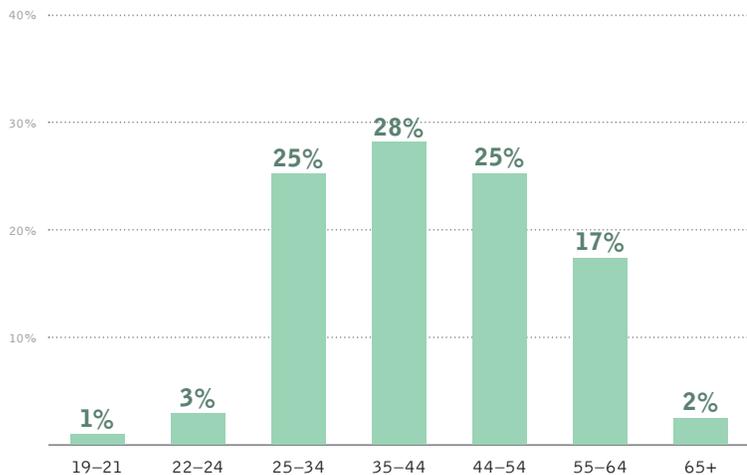
None

### WORK EXPERIENCE

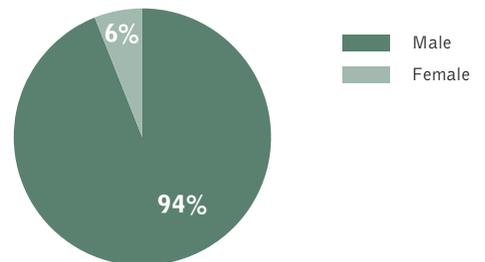
Moderate-term on-the-job training

## DEMOGRAPHICS

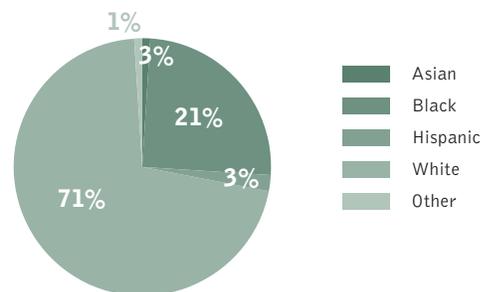
### AGE



### GENDER



### RACE



# Surveyors

Make exact measurements and determine property boundaries. Provide data relevant to the shape, contour, gravitation, location, elevation, or dimension of land or land features on or near the earth's surface for engineering, mapmaking, mining, land evaluation, construction, and other purposes.

2022 Jobs

367

2012-22 % Change

+72%

Median Hourly Earnings

\$28.43

Skill Level

High

2022 Job Postings

90

## EDUCATION & SKILLS

### EDUCATION

Bachelor's degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

Internship/residency

### TOP PROGRAMS

Geology/Earth Science,  
General

Civil Engineering

Technologies/Technicians

### TOP SKILLS

Surveying

Cargo Loading

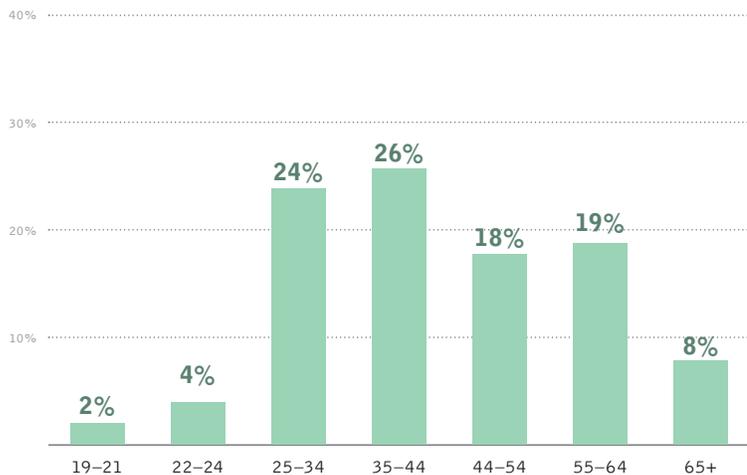
Cargo Handling

Heavy Equipment

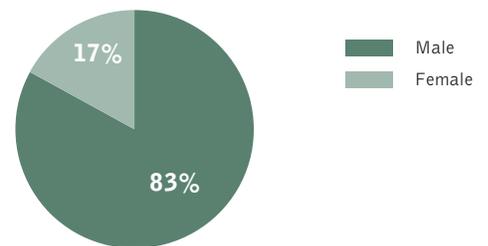
Topography

## DEMOGRAPHICS

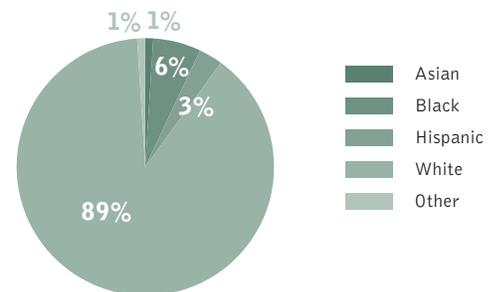
### AGE



### GENDER



### RACE



# Plant and System Operators, All Other

All plant and system operators not listed separately. Includes Production Operator, Pressure Controller, and Process Technician.

2022 Jobs

319

2012-22 % Change

+169%

Median Hourly Earnings

\$25.29

Skill Level

Middle

2022 Job Postings

2

## EDUCATION & SKILLS

### EDUCATION

High school diploma or equivalent

### TOP PROGRAMS

None

### TOP SKILLS

- Machinery
- Hand Tools
- Labor Law
- Management Development
- Heavy Equipment

### ON THE JOB TRAINING

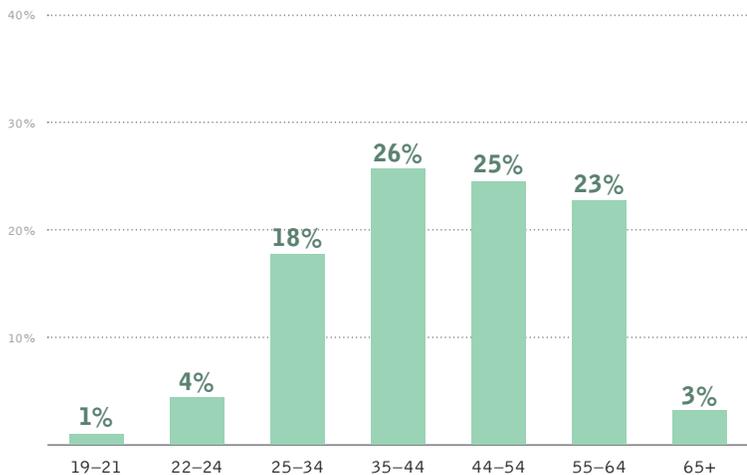
None

### WORK EXPERIENCE

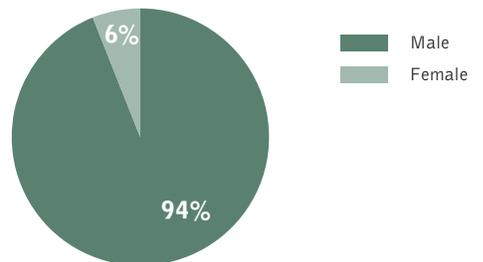
Moderate-term on-the-job training

## DEMOGRAPHICS

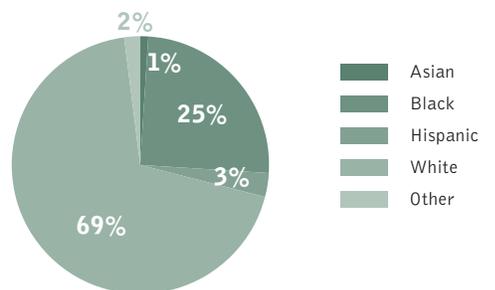
### AGE



### GENDER



### RACE



# Rotary Drill Operators, Oil and Gas

Set up or operate a variety of drills to remove underground oil and gas, or remove core samples for testing during oil and gas exploration.

2022 Jobs

213

2012-2 % Change

+ 55%

Median Hourly Earnings

\$26.19

Skill Level

Basic

2022 Job Postings

3

## EDUCATION & SKILLS

### EDUCATION

No formal educational credential

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

Moderate-term on-the-job training

### TOP PROGRAMS

None

### TOP SKILLS

Heavy Equipment

Soil Sampling

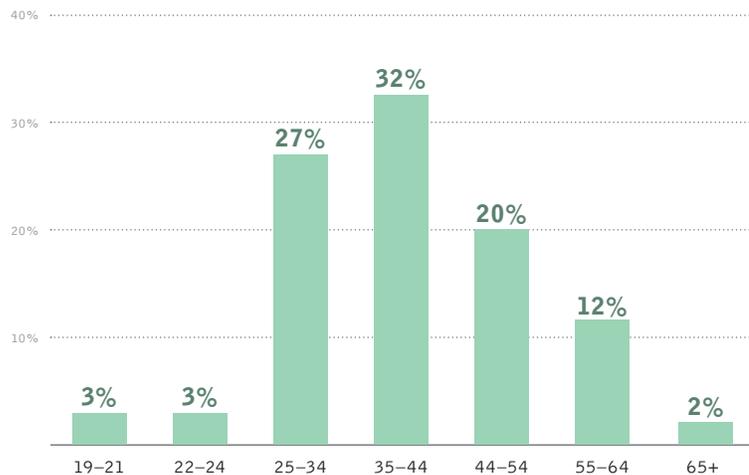
Drilling

Soil Science

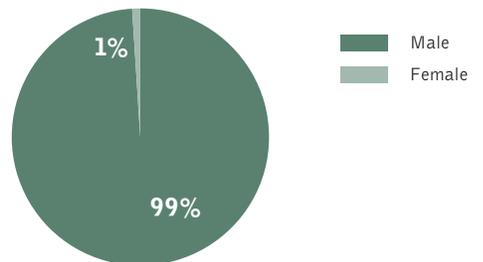
Core Drills

## DEMOGRAPHICS

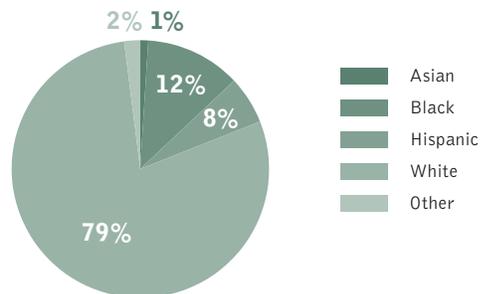
### AGE



### GENDER



### RACE





# Life Sciences & Healthcare

The Life Sciences sector continues to be a powerhouse in the economic engine of Greater New Orleans. While nurses remain the most in-demand occupation in this field, opportunities for career transition abound in support occupations that directly impact our region's health. With globally recognized health systems, strong university research programs, and a myriad of biotech start-ups, the life sciences field remains one of our strongest assets.

## EMERGING OCCUPATION:

## Neurosciences

According to Harvard University, over 6.4 million American's suffer from Alzheimer's Parkinsons, multiple sclerosis, and ALS. With a rapidly aging population, the same study found that if left unchecked, more than 12 million Americans will suffer from neurodegenerative diseases in 30 years.

When it comes to neurodegenerative disease treatment, hospital systems in southeast Louisiana have a commitment to delivering care to patients from around the world.

In order to carry out world-class care and treatment for those that are impacted by neurodegenerative diseases, workers with high levels of training and education are needed. While many of these careers and jobs will require advanced degrees, opportunities exist for workers who possess less than a bachelor's degree.

To drive growth within this sector, GNO, Inc. has established NeuroNOLA, a collaboration of regional partners to catalyze cooperation within neurosciences with the shared mission of fostering the development of Greater New Orleans as a destination for neurological research and care – driving innovation, economic development, and patient care.

An analysis of job postings for this profession from around the United States has identified the following skills as being the most in-demand:

Electroencephalography  
Basic Life Support (BLS) Certification  
Neurology  
Evoked Potential  
Cardiopulmonary Resuscitation (CPR)  
Troubleshooting (Problem Solving)  
Polysomnography  
Nerve Conduction Studies  
Electromyography



## Career Profile: Neurodiagnostic Technologists

Conduct electroneurodiagnostic (END) tests such as electroencephalograms, evoked potentials, polysomnograms, or electronystagmograms.

**KEY TASKS**

- Indicate artifacts or interferences derived from sources outside of the brain, such as poor electrode contact or patient movement, on electroneurodiagnostic recordings.
- Monitor patients during tests or surgeries, using electroencephalographs (EEG), evoked potential (EP) instruments, or video recording equipment..
- Conduct tests or studies such as electroencephalography (EEG), polysomnography (PSG), nerve conduction studies (NCS), electromyography (EMG), and intraoperative monitoring (IOM).
- Collect patients' medical information needed to customize tests.
- Explain testing procedures to patients, answering questions or reassuring patients, as needed.

**TYPICAL EDUCATION AND TRAINING**

Associate's degree

**SIMILAR OCCUPATIONS**

Cardiovascular Technologists and Technicians  
Diagnostic Medical Sonographers  
Magnetic Resonance Imaging Technologists

# Registered Nurses

Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention or provide case management.

2022 Jobs

15,514

2011–21 % Change

3%

Median Hourly Earnings

\$34.82

Skill Level

High

2022 Job Postings

12,373

## EDUCATION & SKILLS

### EDUCATION

Bachelor's degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

Registered Nursing/Registered Nurse

Nursing Practice

Family Practice Nurse/  
Nursing

### TOP SKILLS

Nursing

Nursing Process

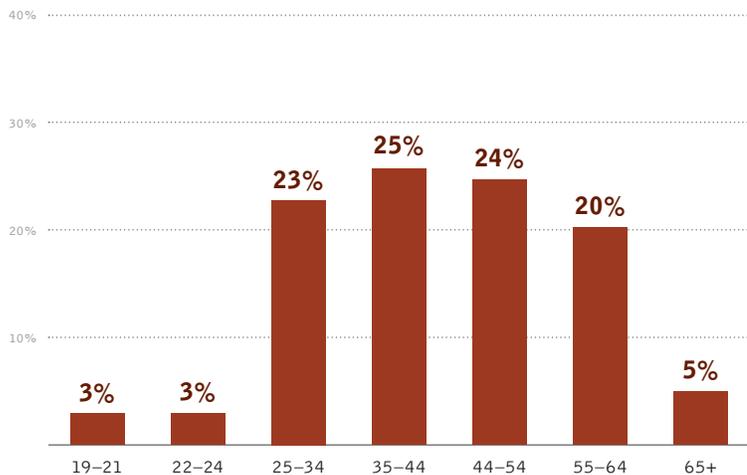
Cardiopulmonary  
Resuscitation (CPR)

Nursing Care

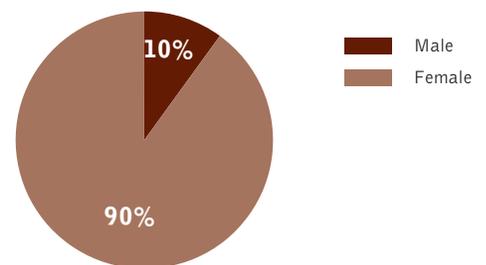
Communicable Diseases

## DEMOGRAPHICS

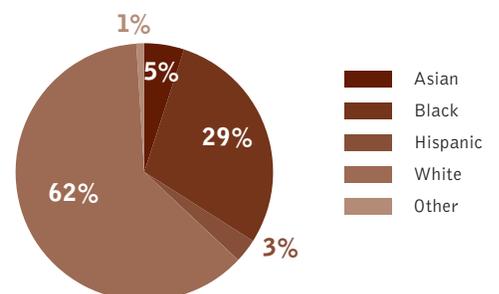
### AGE



### GENDER



### RACE



# Medical and Health Services Managers

Plan, direct, or coordinate medical and health services in hospitals, clinics, managed care organizations, public health agencies, or similar organizations.

2022 Jobs

2,045

2011–21 % Change

+100%

Median Hourly Earnings

\$47.40

Skill Level

High

2022 Job Postings

3079

## EDUCATION & SKILLS

### EDUCATION

Bachelor's degree

### ON THE JOB TRAINING

Less than 5 years

### WORK EXPERIENCE

None

### TOP PROGRAMS

Registered Nursing/Registered Nurse

Pharmacy

Public Health, General

### TOP SKILLS

Nursing

Performance Improvement

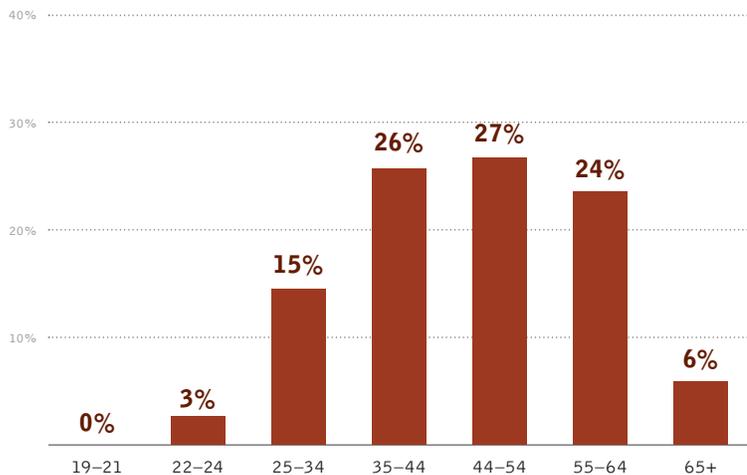
Auditing

Clinical Experience

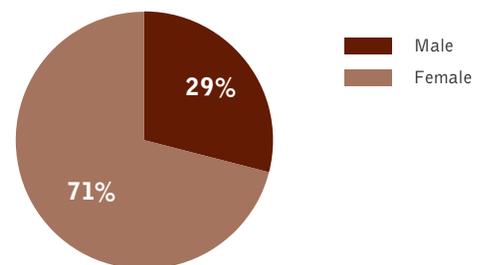
Billing

## DEMOGRAPHICS

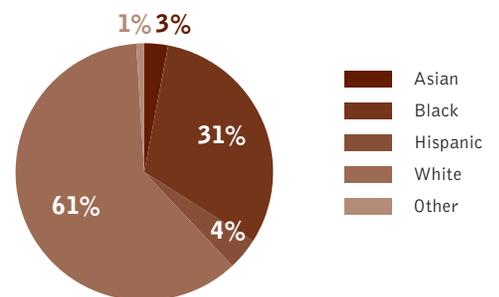
### AGE



### GENDER



### RACE



# Pharmacists

Dispense drugs prescribed by physicians and other health practitioners and provide information to patients about medications and their use. May advise physicians and other health practitioners on the selection, dosage, interactions, and side effects of medications.

2022 Jobs

1,704

2011–21 % Change

+14%

Median Hourly Earnings

\$59.75

Skill Level

High

2022 Job Postings

393

## EDUCATION & SKILLS

### EDUCATION

Doctoral or professional degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

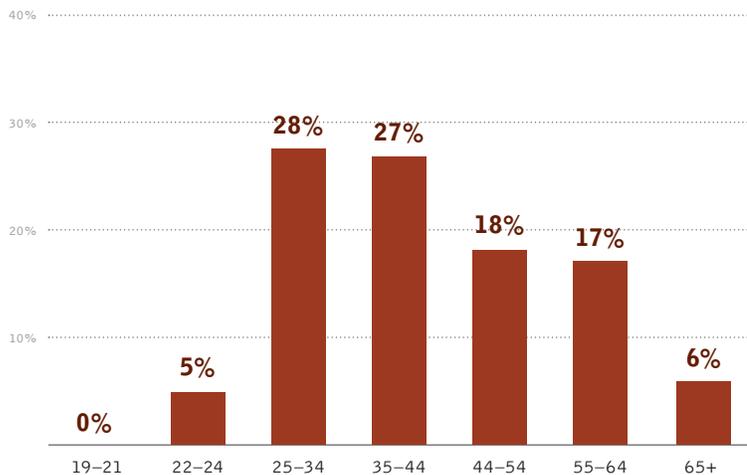
Pharmacy

### TOP SKILLS

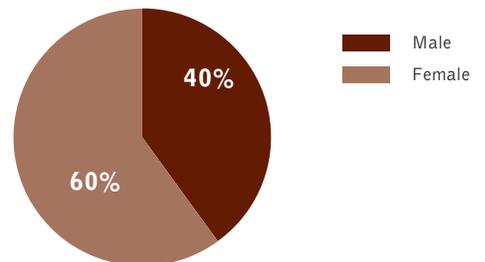
Clinical Pharmacy  
 Workflow Management  
 Inventory Management  
 Pharmaceuticals  
 Pharmacotherapy

## DEMOGRAPHICS

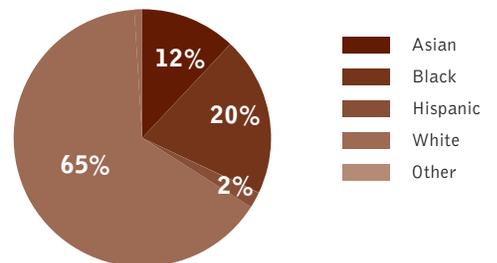
### AGE



### GENDER



### RACE



# Healthcare Practitioners and Technical Workers, All Other

All healthcare practitioners and technical workers not listed separately. Includes Transplant Coordinator, Licensed Midwife, and Utilization Review Coordinator.

2022 Jobs

1,646

2011–21 % Change

+150%

Median Hourly Earnings

\$28.84

Skill Level

Middle

2022 Job Postings

17

## EDUCATION & SKILLS

### EDUCATION

Postsecondary nondegree award

### TOP PROGRAMS

None

### TOP SKILLS

Billing  
Clinical Documentation  
Medical Necessity  
Medicare  
Utilization Management

### ON THE JOB TRAINING

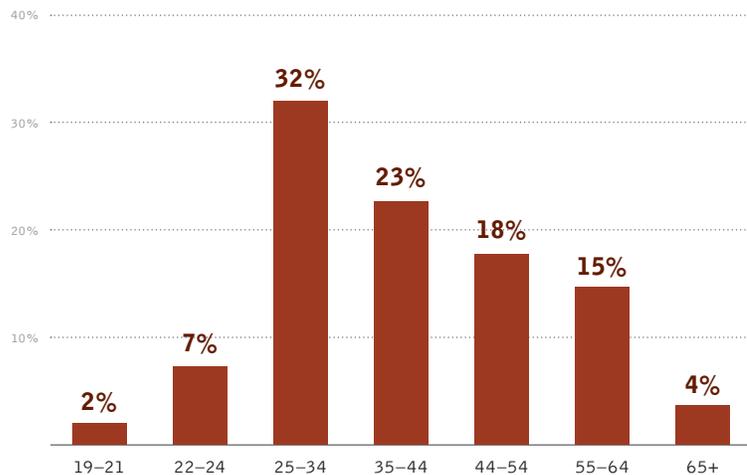
None

### WORK EXPERIENCE

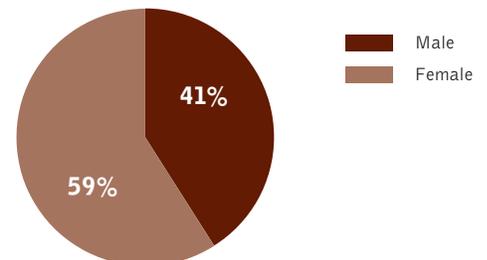
None

## DEMOGRAPHICS

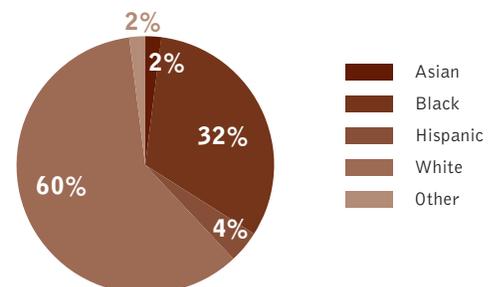
### AGE



### GENDER



### RACE



# Nurse Practitioners

Diagnose and treat acute, episodic, or chronic illness, independently or as part of a healthcare team. May focus on health promotion and disease prevention. May order, perform, or interpret diagnostic tests such as lab work and x rays. May prescribe medication.

2022 Jobs

1,560

2011–21 % Change

+452%

Median Hourly Earnings

\$50.59

Skill Level

High

2022 Job Postings

1,020

## EDUCATION & SKILLS

### EDUCATION

Master's degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

Registered Nursing/Registered Nurse

Nursing Practice

Family Practice Nurse/  
Nursing

### TOP SKILLS

Nursing

Patient Education And  
Counseling

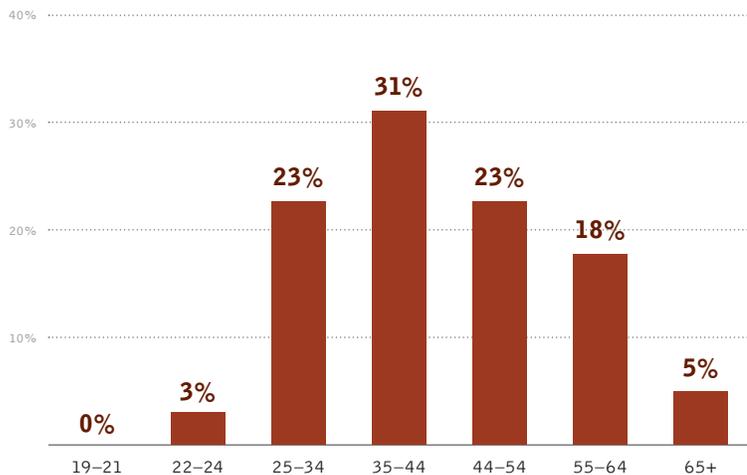
Primary Care

Medical Records

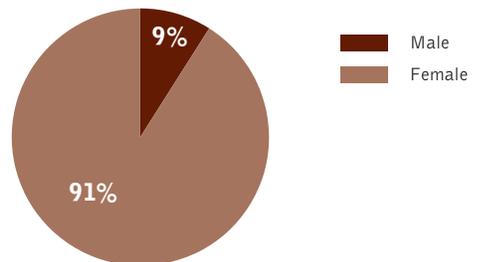
Medical Management

## DEMOGRAPHICS

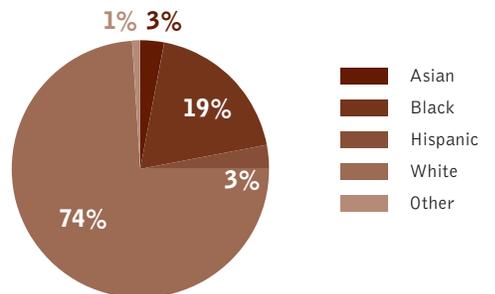
### AGE



### GENDER



### RACE



# Physicians, All Other

All physicians not listed separately. Includes Urologists, Allergists, and Sports Medicine Physicians

2022 Jobs

1,467

2011-21 % Change

+13%

Median Hourly Earnings

\$115.03

Skill Level

High

2022 Job Postings

682

## EDUCATION & SKILLS

### EDUCATION

Doctoral or professional degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

Internship/residency

### TOP PROGRAMS

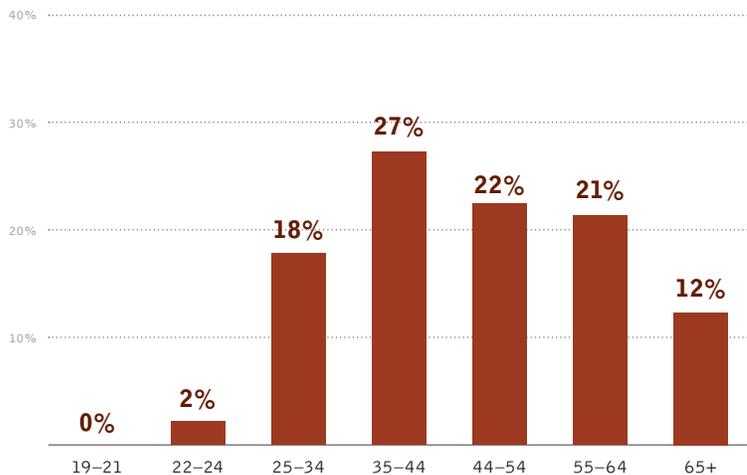
- Medicine
- Sports, Kinesiology, and Physical Education/Fitness, General
- Pre-Medicine/Pre-Medical Studies

### TOP SKILLS

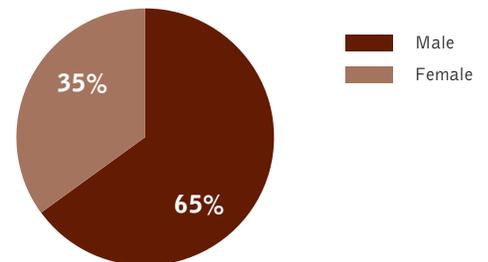
- Hospital Medicine
- Internal Medicine
- Family Medicine
- Medical Records
- Primary Care

## DEMOGRAPHICS

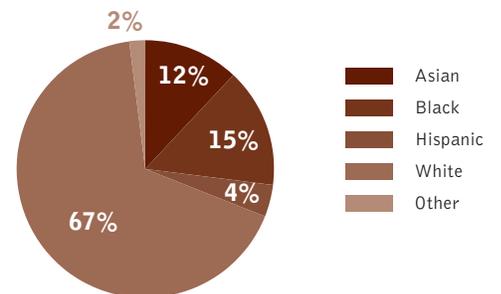
### AGE



### GENDER



### RACE



# Radiologic Technologists and Technicians

Take x-rays and CAT scans or administer nonradioactive materials into patient's bloodstream for diagnostic or research purposes. Includes radiologic technologists and technicians who specialize in other scanning modalities.

2022 Jobs

1,071

2011-21 % Change

+45%

Median Hourly Earnings

\$27.41

Skill Level

Middle

2022 Job Postings

636

## EDUCATION & SKILLS

### EDUCATION

Associate's degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

Radiologic Technology/Science - Radiographer

Medical Radiologic Technology/Science - Radiation Therapist

Health/Medical Preparatory Programs, Other

### TOP SKILLS

Radiology

Radiography

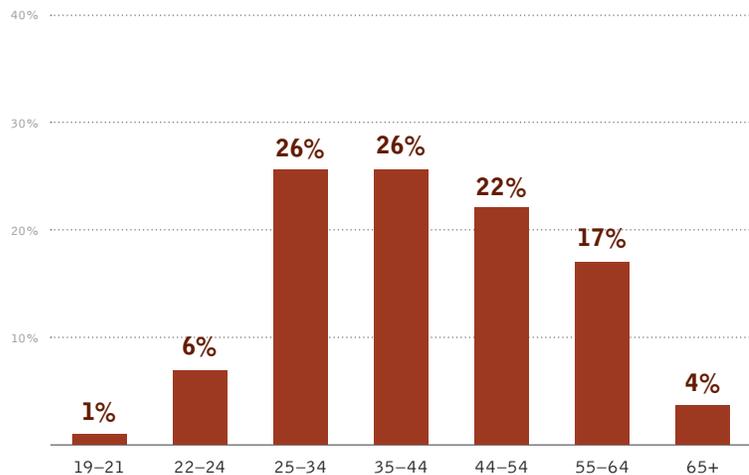
Data Entry

Radiation Protection

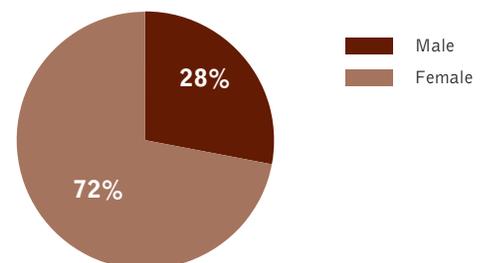
Equipment Maintenance

## DEMOGRAPHICS

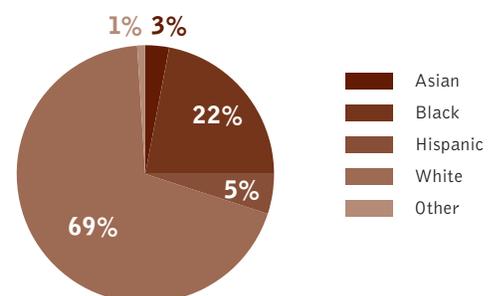
### AGE



### GENDER



### RACE



# Physical Therapists

Assess, plan, organize, and participate in rehabilitative programs that improve mobility, relieve pain, increase strength, and improve or correct disabling conditions resulting from disease or injury.

2022 Jobs  
**1,057**

2011–21 % Change  
**49%**

Median Hourly Earnings  
**\$45.54**

Skill Level  
**High**

2022 Job Postings  
**510**

## EDUCATION & SKILLS

### EDUCATION

Doctoral or professional degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

Physical Therapy/Therapist

Pre-Physical Therapy Studies

### TOP SKILLS

Physical Therapy

Rehabilitation

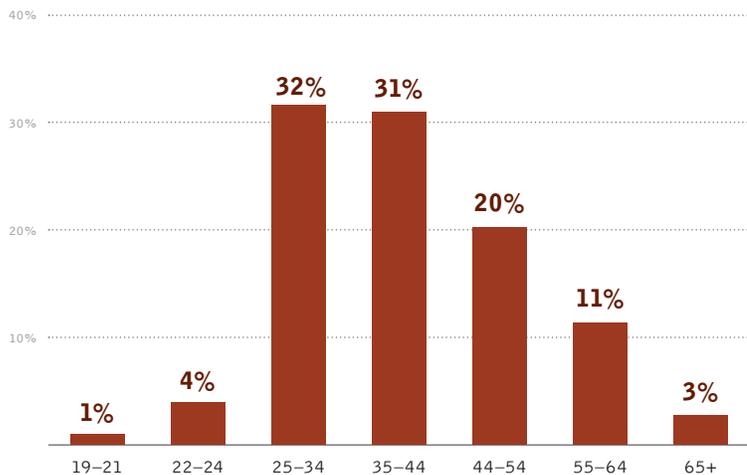
Treatment Planning

Cardiopulmonary Resuscitation (CPR)

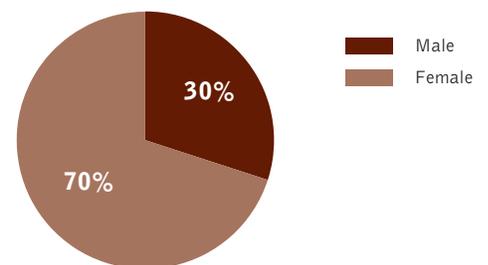
Caregiving

## DEMOGRAPHICS

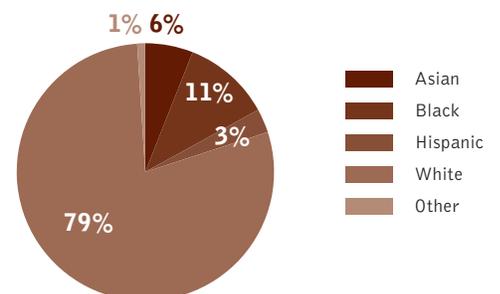
### AGE



### GENDER



### RACE



# Respiratory Therapists

Assess, treat, and care for patients with breathing disorders. Assume primary responsibility for all respiratory care modalities, including the supervision of respiratory therapy technicians. Initiate and conduct therapeutic procedures; maintain patient records; and select, assemble, check, and operate equipment.

2022 Jobs

861

2011–21 % Change

+44%

Median Hourly Earnings

\$27.00

Skill Level

Middle

2022 Job Postings

322

## EDUCATION & SKILLS

### EDUCATION

Associate's degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

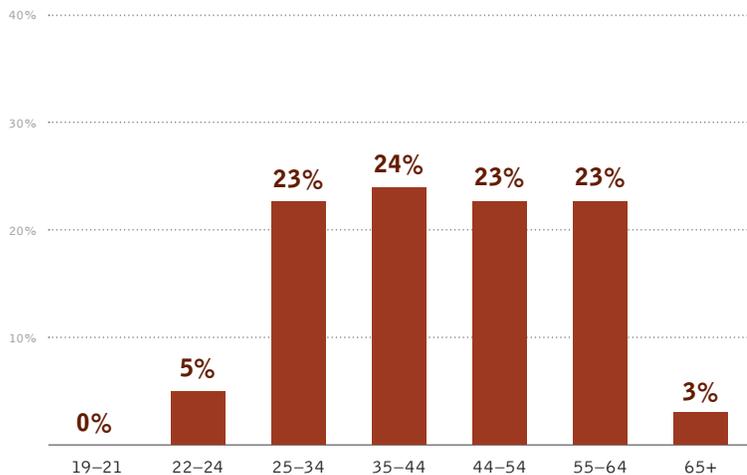
Respiratory Care Therapy/  
Therapist

### TOP SKILLS

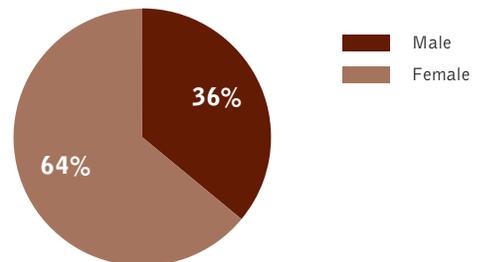
Respiratory Therapy  
Respiratory Care  
Patient Education And  
Counseling  
Pulmonology  
Cardiopulmonary  
Resuscitation (CPR)

## DEMOGRAPHICS

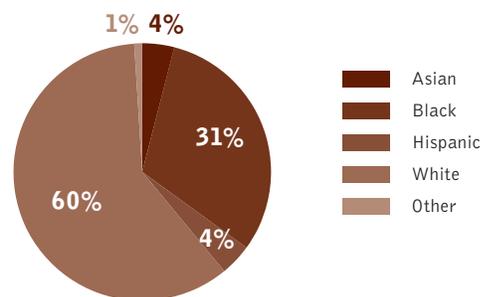
### AGE



### GENDER



### RACE



# Surgical Technologists

Assist in operations, under the supervision of surgeons, registered nurses, or other surgical personnel. May help set up operating room, prepare and transport patients for surgery, adjust lights and equipment, pass instruments and other supplies to surgeons and surgeon’s assistants.

2022 Jobs

361

2011–21 % Change

+33%

Median Hourly Earnings

\$21.44

Skill Level

Middle

2022 Job Postings

456

## EDUCATION & SKILLS

### EDUCATION

Postsecondary nondegree award

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

Surgical Technology/Technologist

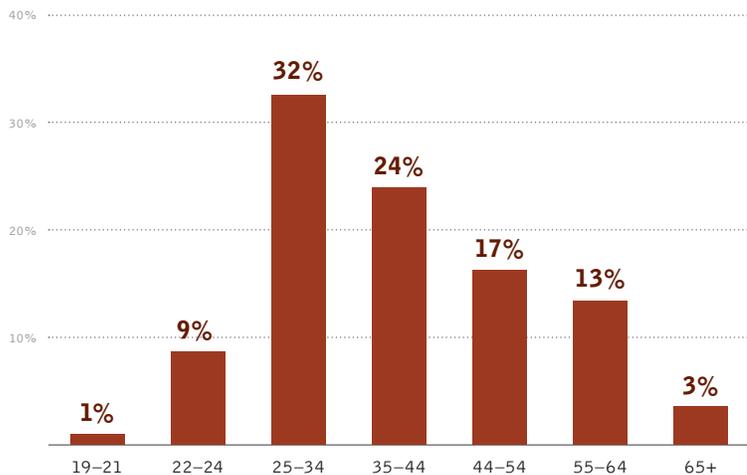
Allied Health and Medical Assisting Services, Other

### TOP SKILLS

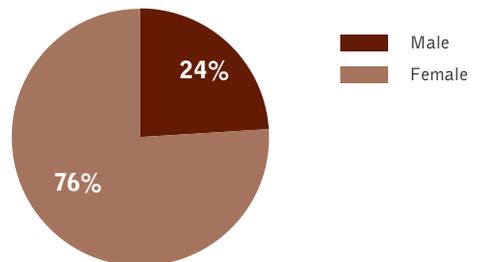
- Surgery
- Operating Room (OR)
- Surgical Technology
- Asepsis
- Surgical Procedures

## DEMOGRAPHICS

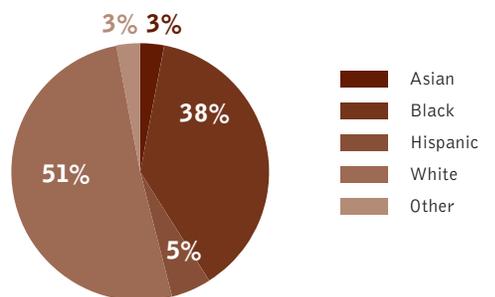
### AGE



### GENDER



### RACE





# Transportation & Warehousing Occupations

Strategically located in the Gulf South and on the Mississippi River, Greater New Orleans is one of the epicenters of the nation's transportation and logistics sector. With four deepwater ports, a best-in-class airport, six Class I railroads, and two interstates, the region supports many thousands of jobs in transportation, logistics, and production.

EMERGING OCCUPATION:

# Supply Chain

Greater New Orleans has long been a leader in the transportation and logistics sector. With a world-class port system, integrated multimodal transportation infrastructure, an international airport, and a skilled workforce, thousands of transportation and logistics companies call Greater New Orleans home.

Together, the region’s four deep-water draft ports handle a diverse range of goods, ranging from steel, to petrochemicals, to containerized goods. However, the transportation of goods is not limited to just our waterways. The transportation and logistics sector spans across our multimodal transportation infrastructure, including rail, trucking, warehousing, and air.

What’s more, the Port of New Orleans’ \$1.8 billion expansion project will further solidify Louisiana’s future as a logistics hub. It is estimated that 17,000 new jobs will be created in the state as a result of the expansion. While many of these jobs will be created at the port, a significant number of these jobs will be created in other industries such as rail, trucking, and warehousing.

An analysis of job postings for this profession from around the United States has identified the following skills as being the most in-demand:

- Supply Chain
- Operations
- Management
- Communications
- Leadership
- Supply Chain Management
- Planning
- Problem Solving
- Procurement



## Career Profile: Supply Chain Managers

*Direct or coordinate production, purchasing, warehousing, distribution, or financial forecasting services or activities to limit costs and improve accuracy, customer service, or safety. Examine existing procedures or opportunities for streamlining activities to meet product distribution needs. Direct the movement, storage, or processing of inventory.*

**KEY TASKS**

- Determine appropriate equipment and staffing levels to load, unload, move, or store materials.
- Manage activities related to strategic or tactical purchasing, material requirements planning, controlling inventory, warehousing, or receiving.
- Select transportation routes to maximize economy by combining shipments or consolidating warehousing and distribution.
- Define performance metrics for measurement, comparison, or evaluation of supply chain factors, such as product cost or quality.
- Implement new or improved supply chain processes to improve efficiency or performance.

**TYPICAL EDUCATION AND TRAINING**

Bachelor’s degree

**SIMILAR OCCUPATIONS**

- Industrial Production Managers
- Logistics Analysts
- Logistics Engineers
- Transportation, Storage, and Distribution Managers

# Heavy and Tractor-Trailer Truck Drivers

Drive a tractor-trailer combination or a truck with a capacity of at least 26,000 pounds Gross Vehicle Weight (GVW). May be required to unload truck. Requires commercial drivers' license.

2022 Jobs

6,785

2011-21 % Change

+10%

Median Hourly Earnings

\$22.27

Skill Level

Middle

2022 Job Postings

2,833

## EDUCATION & SKILLS

### EDUCATION

Postsecondary non-degree award

### TOP PROGRAMS

None

### TOP SKILLS

- Truck Driving
- Commercial Driving
- Warehousing
- Flatbed Truck Operation
- Pre-Trip And Post-Trip Vehicle Inspections

### ON THE JOB TRAINING

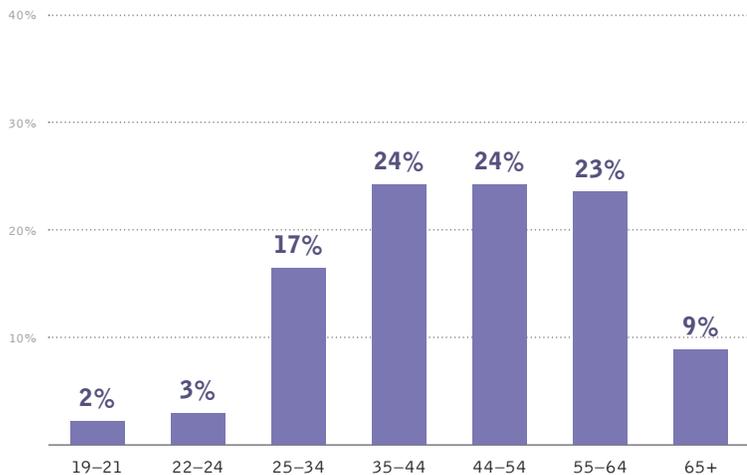
Short-term

### WORK EXPERIENCE

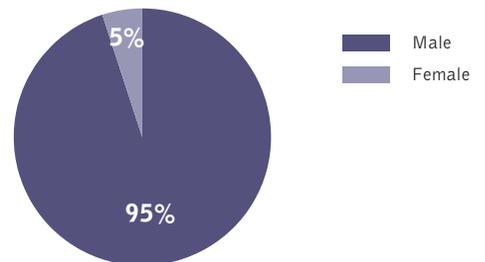
Short-term on-the-job training

## DEMOGRAPHICS

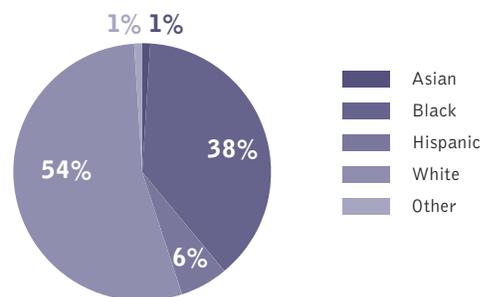
### AGE



### GENDER



### RACE



# Captains, Mates, and Pilots of Water Vessels

Command or supervise operations of ships and water vessels, such as tugboats and ferryboats.

2022 Jobs

2,590

2011-21 % Change

+22%

Median Hourly Earnings

\$48.73

Skill Level

Middle

2022 Job Postings

178

## EDUCATION & SKILLS

### EDUCATION

Postsecondary nondegree award

### ON THE JOB TRAINING

Less than five years

### WORK EXPERIENCE

None

### TOP PROGRAMS

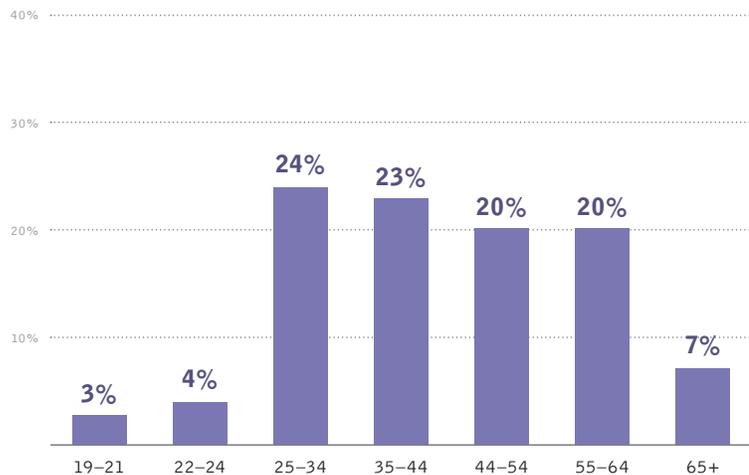
Marine Transportation, Other

### TOP SKILLS

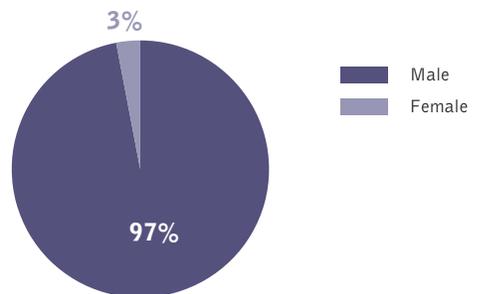
- Barges
- Balancing (Ledger/Billing)
- Navigational Instruments
- Vessel Security
- Corrective And Preventive Action (CAPA)

## DEMOGRAPHICS

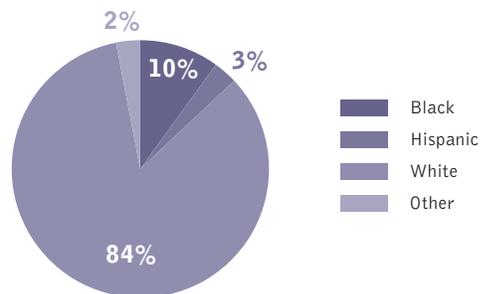
### AGE



### GENDER



### RACE



# First-Line Supervisors of Transportation and Material Moving Workers Except Aircraft Cargo Handling Supervisors

This occupation includes First-Line Supervisors of Helpers, Laborers, and Material Movers (Hand); First-Line Supervisors of Material-Moving Machine and Vehicle Operators; First-Line Supervisors of Passenger Attendants; and First-Line Supervisors of Transportation Workers (All Other).

2021 Jobs

2,407

2011-21 % Change

+9%

Median Hourly Earnings

\$23.79

Skill Level

Middle

2022 Job Postings

231

## EDUCATION & SKILLS

### EDUCATION

High school diploma or equivalent

### TOP PROGRAMS

None

### TOP SKILLS

- Warehousing
- Shipping And Receiving
- Forklift Truck
- Inventory Control
- Auditing

### ON THE JOB TRAINING

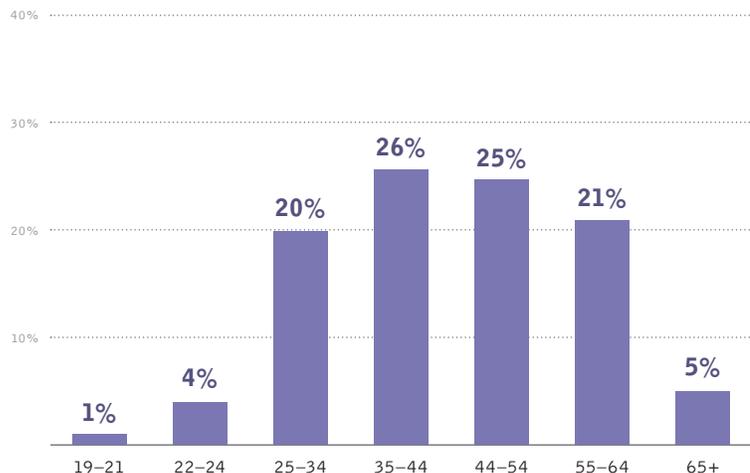
Less than 5 years

### WORK EXPERIENCE

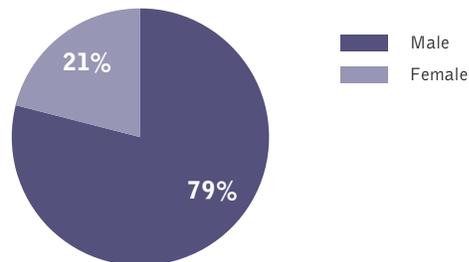
None

## DEMOGRAPHICS

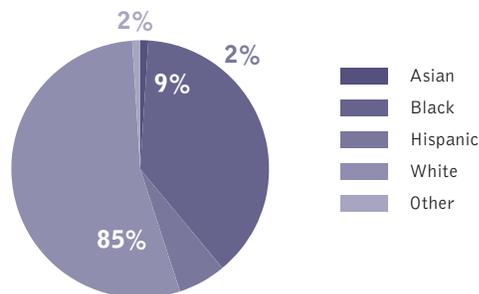
### AGE



### GENDER



### RACE



# Inspectors, Testers, Sorters, Samplers, and Weighers

Inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications. May use precision measuring instruments and complex test equipment.

2022 Jobs

2,133

2011–21 % Change

+26%

Median Hourly Earnings

\$23.14

Skill Level

Middle

2022 Job Postings

393

## EDUCATION & SKILLS

### EDUCATION

High school diploma or equivalent

### TOP PROGRAMS

None

### TOP SKILLS

Corrective And Preventive Action (CAPA)

Auditing

Construction

Application Programming Interface (API)

Refinery Experience

### ON THE JOB TRAINING

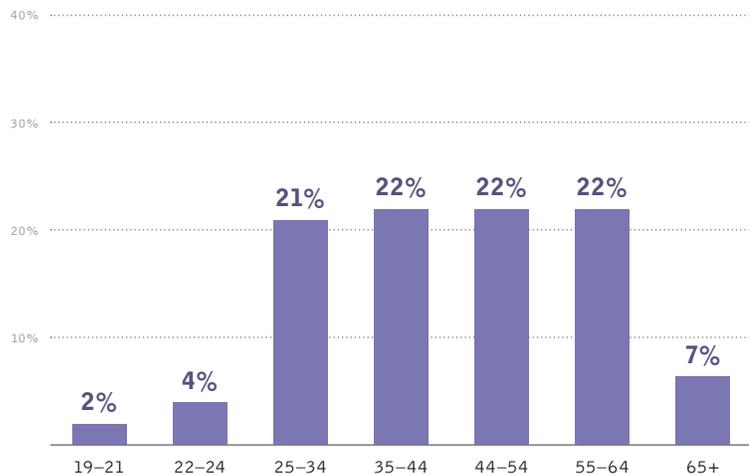
None

### WORK EXPERIENCE

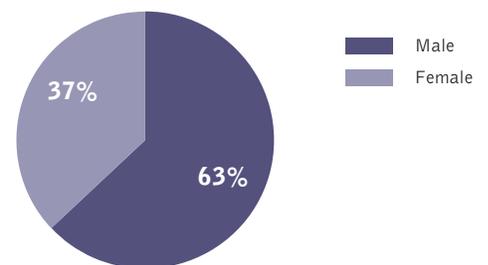
Moderate-term on-the-job training

## DEMOGRAPHICS

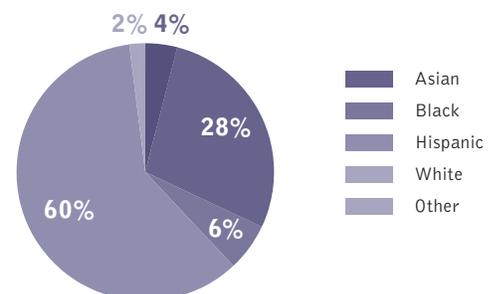
### AGE



### GENDER



### RACE



# Buyers and Purchasing Agents

Purchase farm products either for further processing or resale. Includes tree farm contractors, grain brokers and market operators, grain buyers, and tobacco buyers. Buy merchandise or commodities, other than farm products, for resale to consumers at the wholesale or retail level, including both durable and nondurable goods.

2022 Jobs

1,242

2011-21 % Change

+15%

Median Hourly Earnings

\$24.27

Skill Level

High

2022 Job Postings

501

## EDUCATION & SKILLS

### EDUCATION

Bachelor's degree

### TOP PROGRAMS

None

### ON THE JOB TRAINING

Moderate-term

### WORK EXPERIENCE

Moderate-term on-the-job training

### TOP SKILLS

Purchasing

Procurement

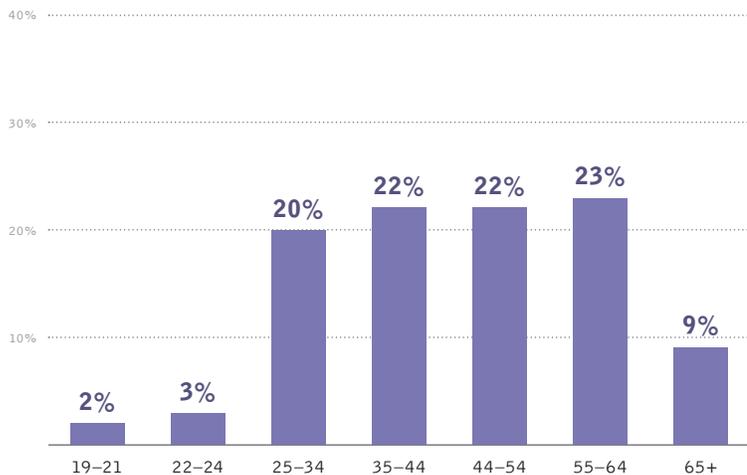
Contract Management

Accounting

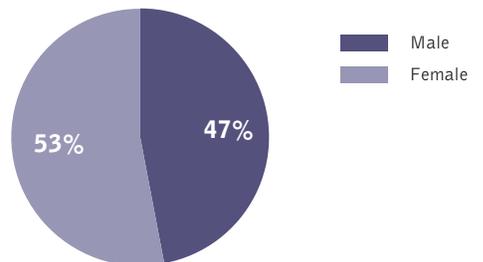
Finance

## DEMOGRAPHICS

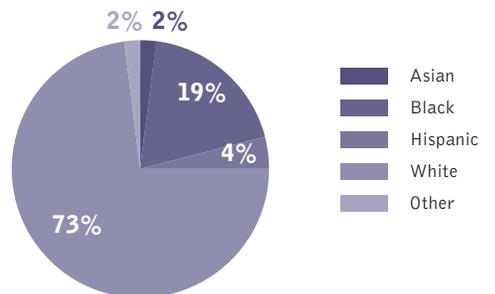
### AGE



### GENDER



### RACE



# Ship Engineers

Supervise and coordinate activities of crew engaged in operating and maintaining engines, boilers, deck machinery, and electrical, sanitary, and refrigeration equipment aboard ship.

2022 Jobs

525

2011–21 % Change

+47%

Median Hourly Earnings

\$40.70

Skill Level

Middle

2022 Job Postings

3

## EDUCATION & SKILLS

### EDUCATION

Postsecondary nondegree award

### ON THE JOB TRAINING

Less than 5 years

### WORK EXPERIENCE

None

### TOP PROGRAMS

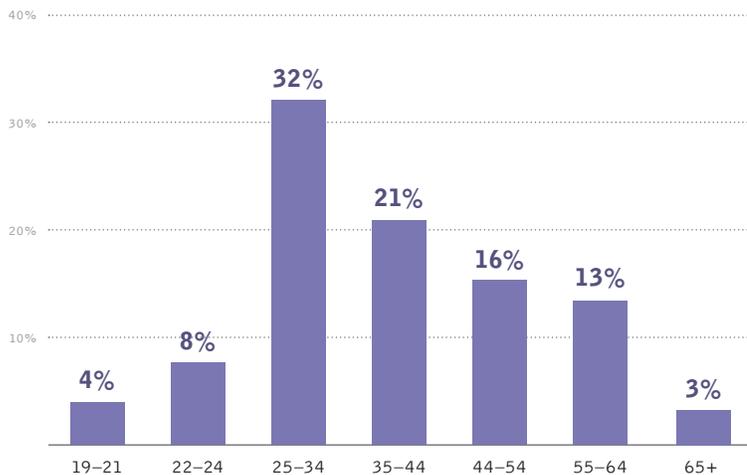
Marine Transportation, Other

### TOP SKILLS

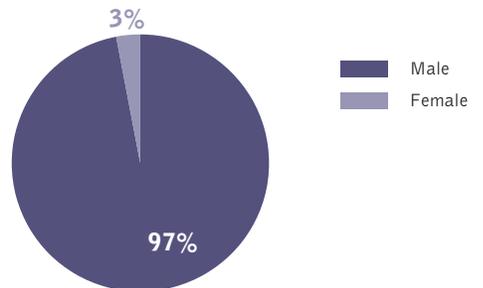
- Emergency Response
- Environmental Compliance
- Navigational Instruments
- Lifting Equipment
- Internal Combustion Engines

## DEMOGRAPHICS

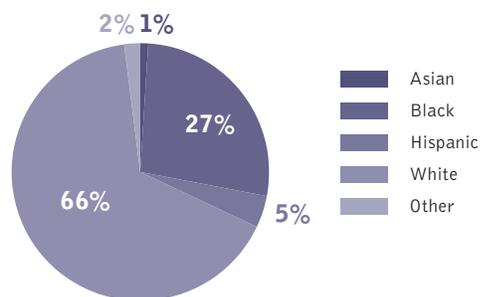
### AGE



### GENDER



### RACE



# Logisticians

Analyze and coordinate the ongoing logistical functions of a firm or organization. Responsible for the entire life cycle of a product, including acquisition, distribution, internal allocation, delivery, and final disposal of resources.

2022 Jobs

476

2011–21 % Change

+59%

Median Hourly Earnings

\$35.72

Skill Level

High

2022 Job Postings

189

## EDUCATION & SKILLS

### EDUCATION

Bachelor's degree

### ON THE JOB TRAINING

None

### WORK EXPERIENCE

None

### TOP PROGRAMS

Logistics, Materials, and Supply Chain Management

Operations Management and Supervision

### TOP SKILLS

Supply Chain

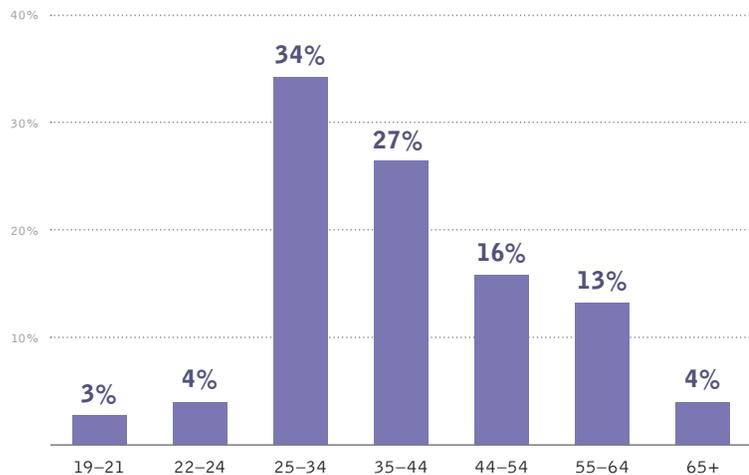
Warehousing

Logistics Purchasing

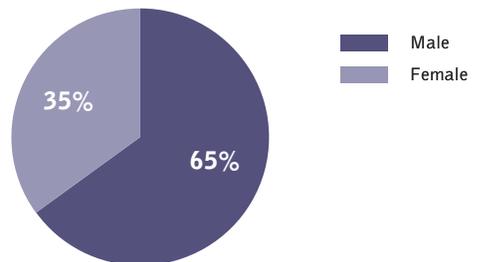
Production Planning

## DEMOGRAPHICS

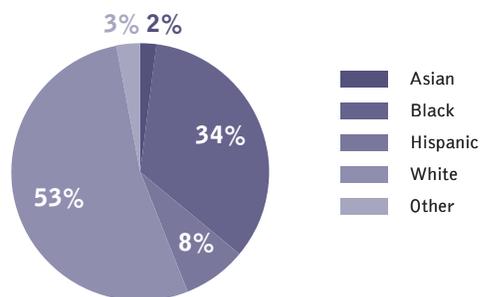
### AGE



### GENDER



### RACE



# Tank Car, Truck, and Ship Loaders

Load and unload chemicals and bulk solids, such as coal, sand, and grain, into or from tank cars, trucks, or ships, using material moving equipment. May perform a variety of other tasks relating to shipment of products. May gauge or sample shipping tanks and test them for leaks

2022 Jobs

346

2011–21 % Change

+11%

Median Hourly Earnings

\$21.49

Skill Level

Basic

2022 Job Postings

22

## EDUCATION & SKILLS

### EDUCATION

No formal educational credential

### TOP PROGRAMS

None

### TOP SKILLS

- Valves (Piping)
- Safety Training
- Environment Health And Safety
- Tanker Truck Operation
- Forklift Truck

### ON THE JOB TRAINING

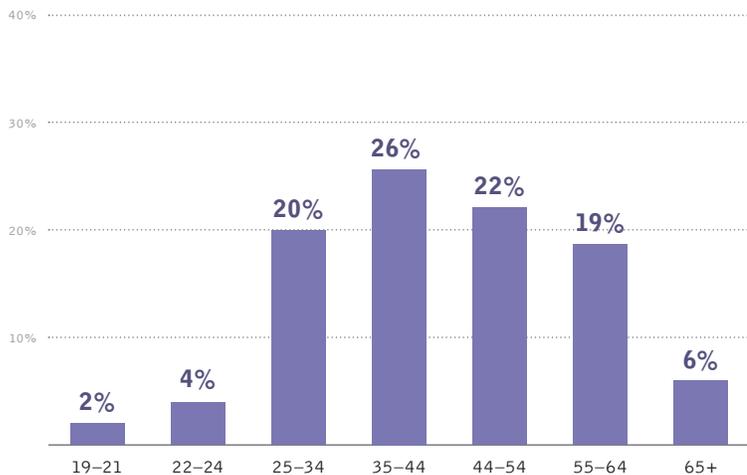
Short-term

### WORK EXPERIENCE

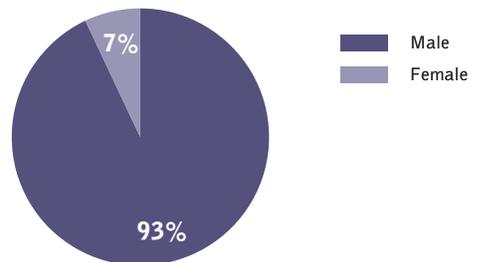
Short-term on-the-job-training

## DEMOGRAPHICS

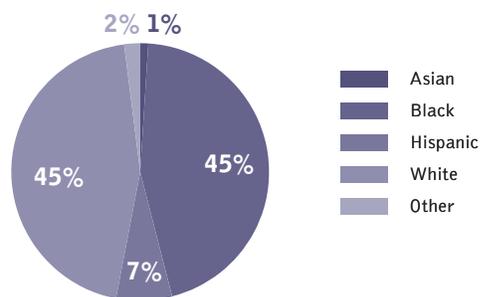
### AGE



### GENDER



### RACE



# Flight Attendants

Monitor safety of the aircraft cabin. Provide services to airline passengers, explain safety information, serve food and beverages, and respond to emergency incidents.

2022 Jobs

296

2011–21 % Change

+500%

Median Hourly Earnings

\$24.13

Skill Level

Middle

2022 Job Postings

9

## EDUCATION & SKILLS

### EDUCATION

High school diploma or equivalent

### TOP PROGRAMS

None

### TOP SKILLS

Federal Aviation Regulations

Inventory Management

Emergency Evacuation

De-escalation Techniques

Passenger Service

### ON THE JOB TRAINING

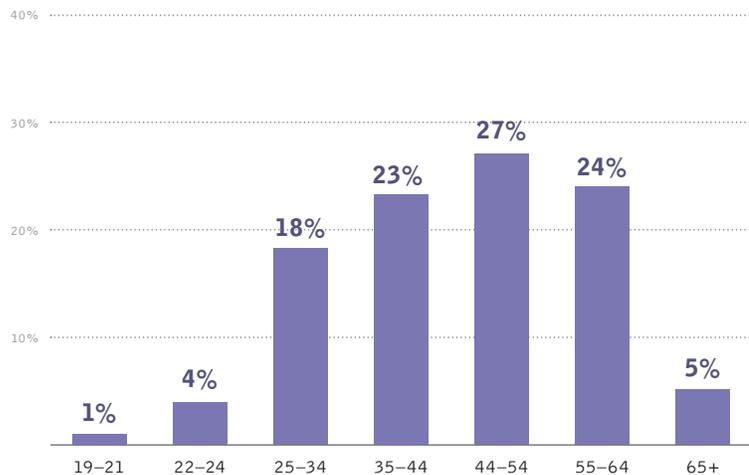
Less than 5 years

### WORK EXPERIENCE

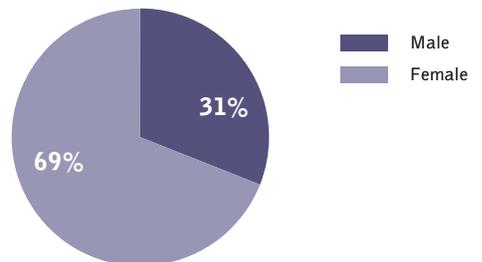
Moderate-term on-the-job training

## DEMOGRAPHICS

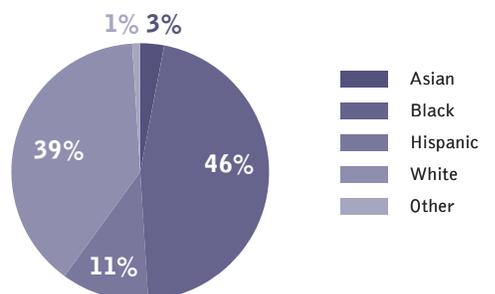
### AGE



### GENDER



### RACE



# Airline Pilots, Copilots, and Flight Engineers

Pilot and navigate the flight of fixed-wing aircraft, usually on scheduled air carrier routes, for the transport of passengers and cargo. Requires Federal Air Transport certificate and rating for specific aircraft type used. Includes regional, national, and international airline pilots and flight instructors of airline pilots.

2022 Jobs

264

2011–21 % Change

+2%

Median Hourly Earnings

\$58.94

Skill Level

High

2022 Job Postings

7

## EDUCATION & SKILLS

### EDUCATION

Bachelor's degree

### TOP PROGRAMS

None

### ON THE JOB TRAINING

Less than 5 years

### WORK EXPERIENCE

Moderate-term on-the-job training

### TOP SKILLS

Training Documentation

Fire Suppression Systems

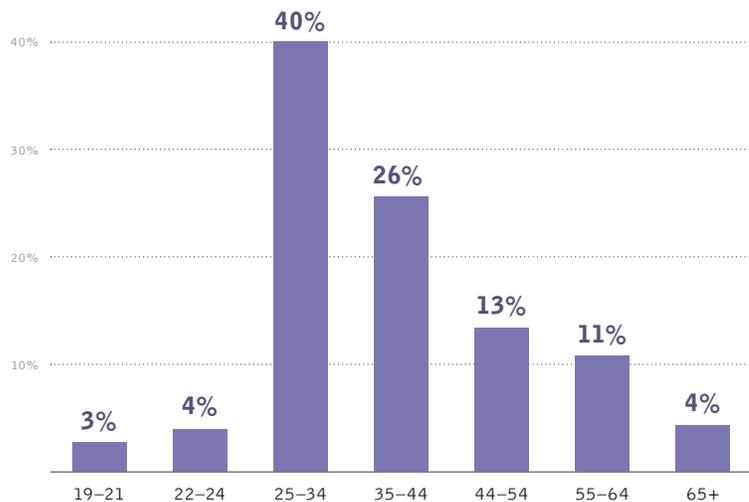
Navigational Aid

Equipment Maintenance

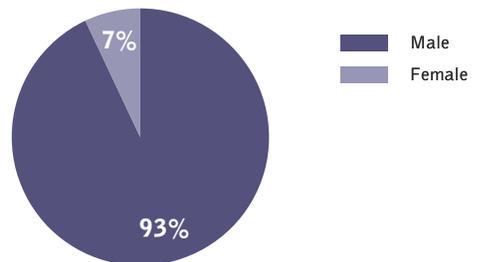
Flight Planning

## DEMOGRAPHICS

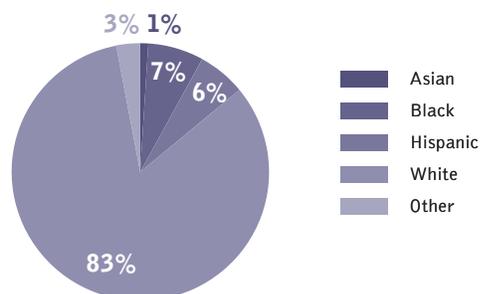
### AGE



### GENDER



### RACE



# Glossary

## JOBS

A job is any full- or part-time position in which a worker provides labor in exchange for financial compensation. Job figures are reported as annual job averages and represent positions as opposed to workers, since a worker may occupy multiple jobs. For the purposes of this report, self-employed workers are not included.

## SKILL LEVEL

Skill level is determined by typical entry-level education, on-the-job training, and work experience.

- \* BASIC-SKILL jobs are those that either require a high school diploma with no formal training or experience, or do not require any formal education.
- \* MIDDLE-SKILL jobs are those that require some form of education or training beyond high school, but do not require a bachelor's degree.
- \* HIGH-SKILL jobs require a bachelor's degree or above.

## EARNINGS

Earnings include base pay, cost of living allowance, guaranteed pay, hazardous-duty pay, commissions and bonuses, on-call pay, and tips. For the purposes of this report, occupational earnings do not include benefits.

## TOP PROGRAMS

To determine the top programs by occupation, Lightspeed connects the jobs to the education programs that typically train for them using a modified version of the National Center for Education Statistics Classification of Instructional Programs (CIP) to SOC Crosswalk.

## TOP SKILLS

Top skills are determined by O\*NET by surveying a national random sample of job incumbents using standardized questionnaires. For the purposes of this report, the top five skills for each occupation as listed by Lightspeed were chosen.

## EDUCATION, TRAINING, AND ON-THE JOB EXPERIENCE

Typical entry level education is determined by the Bureau of Labor Statistic. Based off of analyses of quantitative data including educational attainment and work experienced, the BLS utilizes a methodology to assign categories for entry-level education, work experience, and typical on-the-job training to each occupation. Although multiple paths to entry for an occupation may exist, the BLS captures the typical path.

# Jobs List

## ADVANCED MANUFACTURING OCCUPATIONS

Chemical Equipment Operators and Tenders.....	16
Industrial Engineering Technologists and Technicians.....	20
Inspectors, Testers, Sorters, Samplers, and Weighers.....	12
Installation, Maintenance, and Repair Workers.....	14
Machinists.....	15
Mechanical Engineering Technologists and Technicians.....	22
Millwrights.....	17
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic.....	21
Plant and System Operators, All Other.....	19
Rigging, and Systems Assemblers.....	18

## DIGITAL MEDIA OCCUPATIONS

Computer and Information Systems Managers.....	28
Computer Network Support Specialists.....	29
Computer Occupations, All Other.....	24
Computer User Support Specialists.....	25
Computer Systems Analysts.....	26
Database Administrators.....	32
Information Security Analysts.....	30
Software Developers.....	27
Web Developers.....	31
Web and Digital Interface Designers.....	33

## ENERGY & PETROCHEMICAL OCCUPATIONS

Chemical Equipment Operators and Tenders.....	36
Plant and System Operators, All Other.....	38
Rotary Drill Operators, Oil and Gas.....	39
Surveyors.....	37

## LIFE SCIENCES & HEALTHCARE OCCUPATIONS

Healthcare Practitioners and Technical Workers, All Other.....	45
Medical and Health Services Managers.....	43
Nurse Practitioners.....	46
Pharmacists.....	44
Physical Therapists.....	49
Physicians, All Others.....	47
Radiologic Technologists and Technicians.....	48
Registered Nurses.....	42
Respiratory Therapists.....	50
Surgical Technologists.....	51

## TRANSPORTATION & WAREHOUSING OCCUPATIONS

Airline Pilots, Copilots, and Flight Engineers.....	63
Buyers and Purchasing Agents.....	58
Captains, Mates, and Pilots of Water Vessels.....	55
Construction Managers.....	54
First-Line Supervisors of Transportation and Material Moving Workers.....	56
Flight Attendants.....	62
Inspectors, Testers, Sorters, Samplers, and Weighers).....	57
Logisticians.....	60
Ship Engineers.....	59
Tank Car, Truck, and Ship Loaders.....	61

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