



# MANUFACTURING

## YEARLY IMPACT (11-COUNTY AREA)

IMPACT TYPE	EMPLOYMENT	TOTAL ECONOMIC IMPACT
Direct Effect	22,297	\$2,112,557,002
Indirect Effect	13,660	\$1,201,129,840
Induced Effect	15,319	\$1,103,214,714
Total Effect	51,276	\$4,416,901,556

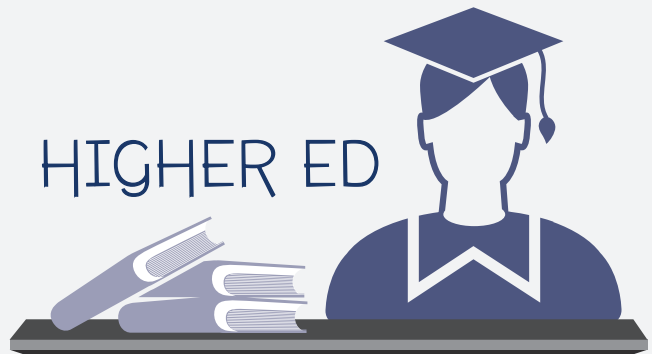
AVERAGE COMMUTE TIME:  
**21.2 MINUTES**

U.S. CENSUS BUREAU

## MAJOR CONTRIBUTIONS

- ↪ Each job in advanced manufacturing contributes \$94,746 to gross product for the Tulsa 11-county area.
- ↪ Ten jobs in advanced manufacturing supports 6 jobs in resource-supplying companies.
- ↪ Throughout the Tulsa-area economy, one job in advanced manufacturing support 1.3 additional jobs across all sectors.
- ↪ Each dollar of income by an employee in advanced manufacturing supports the earning of an additional \$1.02 throughout the Tulsa-area economy.
- ↪ Each dollar of production (value added) in Tulsa-area advanced manufacturing supports an additional \$1.09 of gross product throughout the economy.
- ↪ One year's activity in Tulsa-area advanced manufacturing supports total sales tax of \$98.7 million and total property tax of \$53.5 million.

HIGHER ED



**LANGSTON UNIVERSITY**  **NORTHEASTERN STATE UNIVERSITY**  
 **ORAL ROBERTS UNIVERSITY**  
 **OSU TULSA**  **OU TULSA**  
(INCLUDES SCHOOL OF COMMUNITY MEDICINE)  
**OKLAHOMA STATE INSTITUTE OF TECHNOLOGY**  
**ROGERS STATE UNIVERSITY**  **SPARTAN COLLEGE OF AERONAUTICS & TECHNOLOGY**  
 **TULSA UNIVERSITY OF COMMUNITY COLLEGE**  **TULSA**  
**TULSA TECH**  **TULSA**



**METROPOLITAN STATISTICAL AREA (MSA)** is a geographical region with a relatively high population density at its core and close economic ties throughout the area. A typical metropolitan area is centered on a single large city that wields substantial influence over the region.

# TULSA WORK FORCE

**AREA WORK FORCE**  
319,739 COUNTY; 480,343 MSA; 1,862,713 STATE

**AREA UNEMPLOYMENT RATE**  
4.0% COUNTY; 4.3% MSA; 4.2% STATE

**POPULATION (2015-16 ESTIMATE)**  
402,662 CITY; 633,152 COUNTY; 975,666 MSA

## REGIONAL EMPLOYERS

AARON  
APSCO  
BAKER HUGHES  
BAMA COMPANIES  
BRADEN MANUFACTURING  
CF INDUSTRIES  
GARDNER DENVER, INC  
JOHN ZINK HAMWORTHY  
COMBUSTION  
KENCO ENGINEERING  
MGM MANUFACTURING  
MUNCIE POWER PRODUCTS, INC  
NORDAM  
PELCO STRUCTURAL  
SAVOY FOODS MANUFACTURING  
SWEP  
TURNER MACHINE COMPANY

## CAREER OPPORTUNITIES

DESCRIPTION	AVG START WAGE	WAGE 10 YRS' EXPERIENCE	TYPICAL ENTRY LEVEL EDUCATION
Aircraft Assemblers	\$14.64	\$21.38	Some College/Tech
Assemblers	\$12.23	\$17.40	HS Diploma or GED
CNC Machinist	\$16.52	\$23.48	Some College/Tech
First-Line Supervisors	\$23.90	\$33.87	Some College/Tech
Freight Laborers	\$12.40	\$17.70	HS Diploma or GED
Inspectors	\$16.65	\$23.06	HS Diploma or GED
Machinery Mechanics	\$18.14	\$25.74	Some College/Tech
Machinists	\$17.79	\$24.99	HS Diploma or GED
Maintenance Workers	\$15.67	\$22.85	HS Diploma or GED
Manufacturing Sales Reps	\$19.62	\$25.24	HS Diploma or GED
Operations Managers	\$35.24	\$49.88	BS/BA Degree
Press Machine Setters & Operators	\$14.67	\$20.37	Some College/Tech
Production Managers	\$35.98	\$49.54	BS/BA Degree
Production Workers	\$11.39	\$15.66	HS Diploma or GED
Welders	\$17.06	\$23.82	HS Diploma or GED