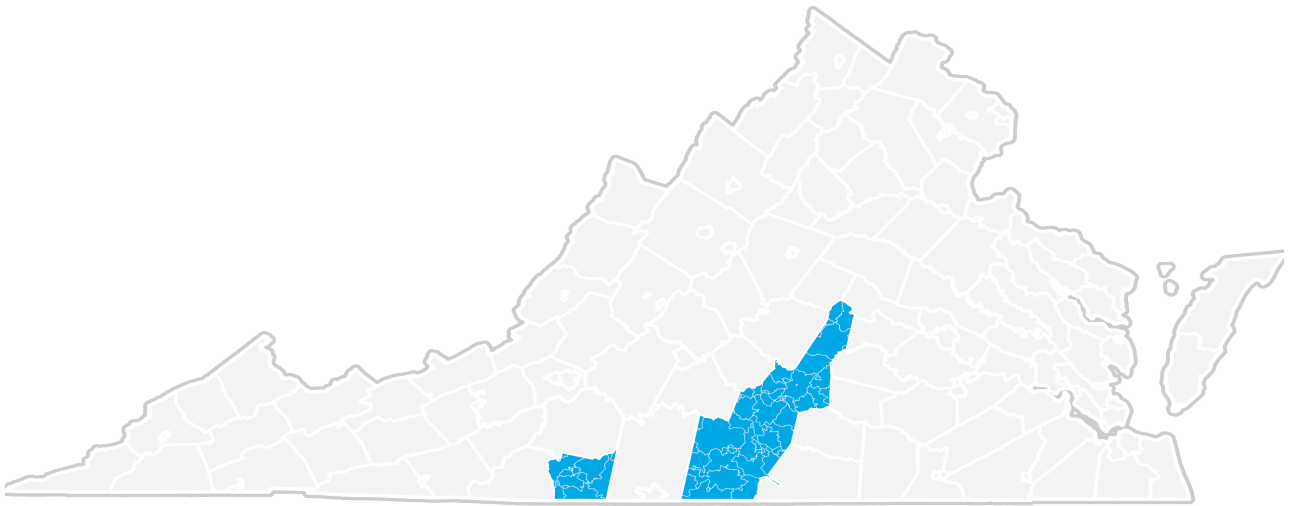


# Machinists & Process Control Programmers

## RMEP Southside Region



Source: JobsEQ

*The contents of this occupation profile were developed under a grant from the U.S. Department of Education. However, those contents do not necessarily represent the policy of the Department of Education, and you should not assume endorsement by the Federal Government.*

## Machinists & Process Control Programmers in the RMEP Southside Region

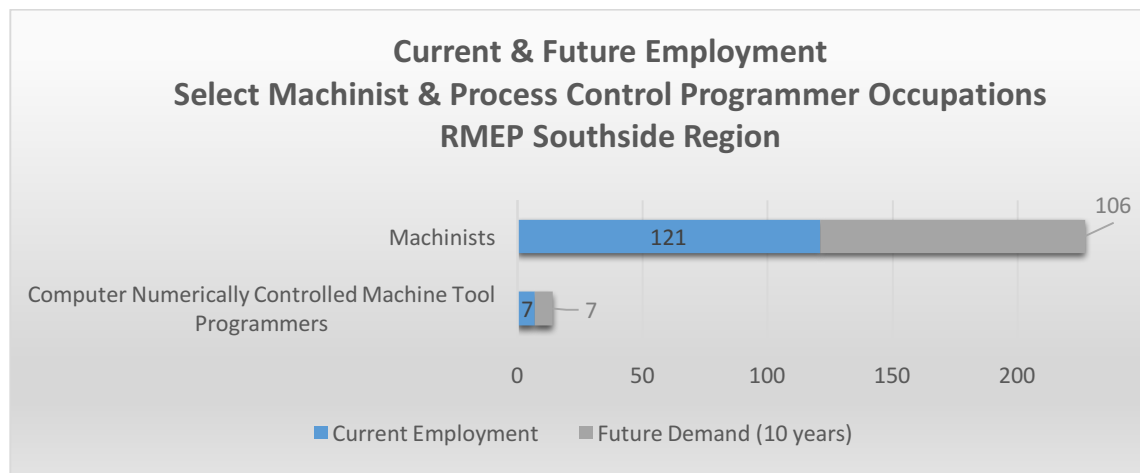
The following pages provide an overview on select Machinist & Process Control Programmer Occupations in the Rural Math Excel Partnership Southside Region (Counties of Charlotte, Cumberland, Halifax, Henry, and Prince Edward, and the City of Martinsville). Please note that this document does not include all Machinist & Process Control Programmer Occupations that exist but is meant to provide an overview of two example occupations.

### Current and Future Employment

- Current employment: 128
  - 121 Machinists
  - 7 Computer Numerically Controlled Machine Tool Programmers
- Future Demand: at least 113 jobs

The following is an example on how to interpret the graph:

- 121 Machinists are currently employed in RMEP Southside Region
- Future Demand over next ten years: at least 106 jobs



Source: JobsEQ, 11/2017; Quarterly Census of Employment and Wages, Bureau of Labor Statistics (BLS). Data are updated through 2016Q4 with preliminary estimates updated to 2017Q2. Forecast employment growth (2016-2026) uses national projections from the BLS, adapted for regional growth patterns by Chmura.

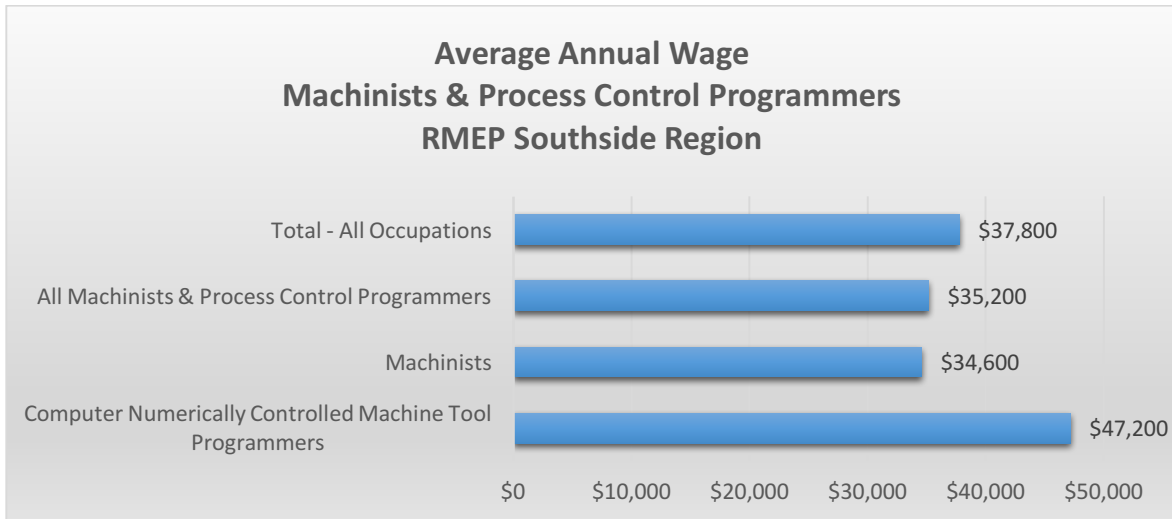
1: Future Demand = Growth Demand + Separation Demand; Growth Demand is the increase/decrease of jobs in industry due to industry growth/decline. Separation demand is the minimum number of jobs required due to replacements (i.e. retirements and turnover).

## Average Wages

- Average annual wage: \$35,200
- Highest average wages
  - Computer Numerically Controlled Machine Tool Programmers (\$47,200)

The following is an example on how to interpret the graph:

- Average annual wage all occupations in RMEP Southside Region: \$37,800



Source: JobsEQ® 11/2017; Occupation wages are as of 2016 and should be taken as the average for all Covered Employment

## Entry Level, Average and Experienced Wages

The following is an example on how to interpret the table:

- Entry level wage for Computer Numerically Controlled Machine Tool Programmers in RMEP Southside Region: \$29,700
- Average annual wage: \$47,200
- Experienced wage: \$55,900

Average Wages, RMEP Southside Region	Entry Level	Average	Experienced
Computer Numerically Controlled Machine Tool Programmers (Metal and Plastic Industry)	\$29,700	\$47,200	\$55,900
Machinists	\$23,500	\$34,600	\$40,100
<b>Average Machinist &amp; Process Control Programmer RMEP</b>	<b>\$23,800</b>	<b>\$35,200</b>	<b>\$40,900</b>
<b>Total - All Occupations</b>	<b>\$25,600</b>	<b>\$37,800</b>	<b>\$43,900</b>

Source: JobsEQ® 11/2017; Occupation wages are as of 2016 and should be taken as the average for all Covered Employment  
Entry-level wages are the average (mean) of the lower third of all wages and experienced wages are the average (mean) of the upper two-thirds of wages for a specific occupation.

## Training

The following is an example on how to interpret the table:

- To work as a Computer Numerically Controlled Machine Tool Programmers, a high school diploma or equivalent is required
- Previous work-experience is not required
- Long-term “on the job training” is typical

Training Required	Entry-Level Education / Degree	Previous Work Experience	Typical On-The-Job Training
Computer Numerically Controlled Machine Tool Programmers (Metal and Plastic Industry)	High school diploma or equivalent	None	Long-term on-the-job training
Machinists	High school diploma or equivalent	None	Long-term on-the-job training

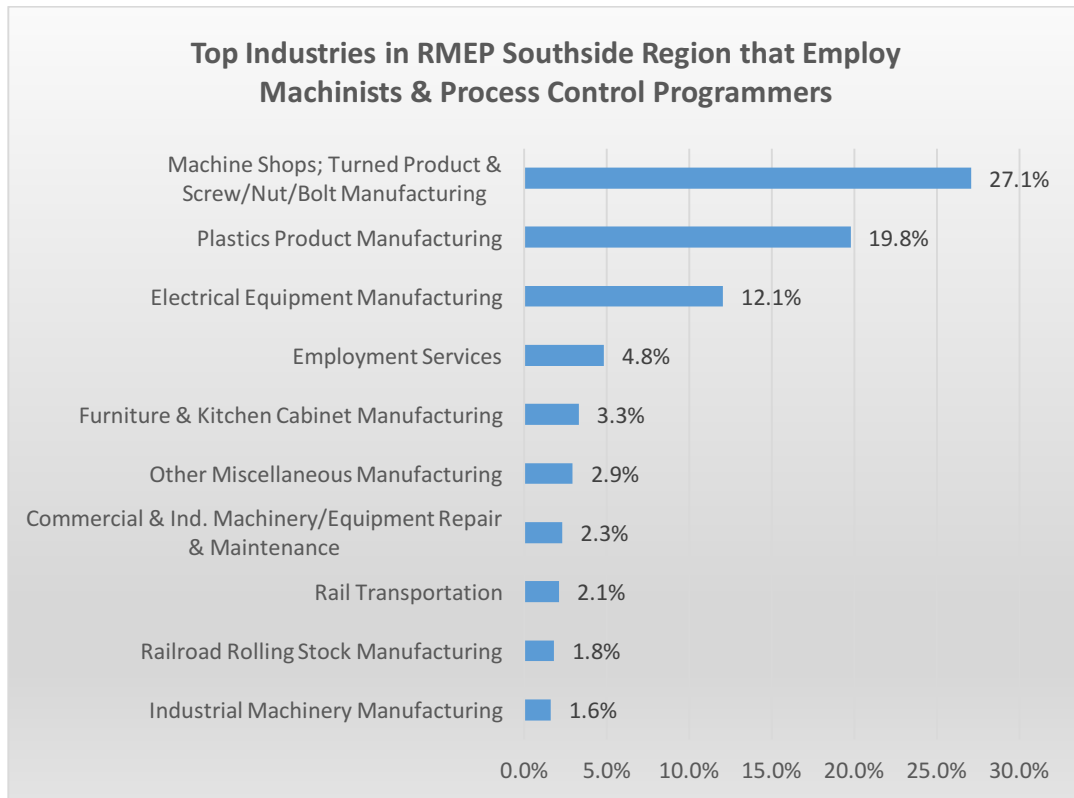
Source: JobsEQ® 11/2017

## Top Industries for Machinist & Process Control Programmer Employment

- Machine Shops; Turned Product and Screw/Nut/Bolt Manufacturing businesses employ almost one third
- Plastics Product and Electrical Equipment Manufacturing jointly employ another third

The following is an example on how to interpret the graph:

- 27.1% of all Machinists and Process Control Programmers in region are employed in Machine Shops; Turned Product and Screw/Nut/Bolt Manufacturing sector



*Source: JobsEQ, 11/2017; Quarterly Census of Employment and Wages, Bureau of Labor Statistics. Data are updated through 2016Q4 with preliminary estimates updated to 2017Q2.*