New American Tech Workers in Ohio
The Demographic and Economic Contributions of Immigrants in the State

OVERVIEW

Immigrant share of total population in 2019: 4.6%

531,240
Immigrant residents in Ohio in 2019

1,111
Number of foreign-born self-employed STEM workers in Ohio in 2019

Immigrant share of self-employed STEM workers, 2019: 10%

Immigrant share of workers with a bachelor's degree in STEM in Ohio: 18%

EMPLOYMENT IN OHIO

91,458 job postings for STEM workers in Ohio

6,608 unemployed STEM workers in Ohio

For every unemployed STEM worker in Ohio, there are

13.8 job postings

INDUSTRIES
Top 5 tech industries with the highest share of immigrant STEM workers in Ohio:

<table>
<thead>
<tr>
<th>Industry</th>
<th>Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Systems Design and Related Services</td>
<td>20.7%</td>
</tr>
<tr>
<td>Architectural, Engineering, and Related Services</td>
<td>4.7%</td>
</tr>
<tr>
<td>Motor Vehicles and Motor Vehicle Equipment Manufacturing</td>
<td>4.7%</td>
</tr>
<tr>
<td>Scientific Research and Development Services</td>
<td>3.5%</td>
</tr>
<tr>
<td>Management, Scientific, and Technical Consulting Services</td>
<td>2.9%</td>
</tr>
</tbody>
</table>

OCCUPATIONS
Top 5 tech occupations with the highest share of immigrant STEM workers:

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software Developers</td>
<td>17.8%</td>
</tr>
<tr>
<td>Computer Systems Analysts</td>
<td>7.1%</td>
</tr>
<tr>
<td>Miscellaneous Computer Occupations</td>
<td>6.9%</td>
</tr>
<tr>
<td>Other Engineers</td>
<td>6.6%</td>
</tr>
<tr>
<td>Computer Support Specialists</td>
<td>5.7%</td>
</tr>
</tbody>
</table>
Ohio needs a modernized immigration system responsive to Ohio’s workforce needs. The denial rate for H1-B visas in Ohio has more than doubled from 8.2% in 2013 to 21.3% in 2019.

### H-1B Visa Petitions in OH

<table>
<thead>
<tr>
<th>Year</th>
<th>Initial Approval</th>
<th>Initial Denial</th>
<th>Continuing Approval</th>
<th>Continuing Denial</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>1,873</td>
<td>167</td>
<td>2,984</td>
<td>89</td>
</tr>
<tr>
<td>2014</td>
<td>1,794</td>
<td>169</td>
<td>3,163</td>
<td>76</td>
</tr>
<tr>
<td>2015</td>
<td>1,530</td>
<td>93</td>
<td>2,667</td>
<td>112</td>
</tr>
<tr>
<td>2016</td>
<td>1,801</td>
<td>358</td>
<td>3,757</td>
<td>186</td>
</tr>
</tbody>
</table>
H-1B Visa Petitions in Ohio (continued)

2017

- **11%** Denial rate of new H-1B petitions
- **6.3%** Denial rate of continuing H-1B petitions

Initial Approval: 1,443
Initial Denial: 179

Continuing Approval: 4,081
Continuing Denial: 276

2018

- **24.8%** Denial rate of new H-1B petitions
- **13.5%** Denial rate of continuing H-1B petitions

Initial Approval: 1,295
Initial Denial: 427

Continuing Approval: 3,585
Continuing Denial: 559

2019

- **21.3%** Denial rate of new H-1B petitions
- **11.2%** Denial rate of continuing H-1B petitions

Initial Approval: 1,808
Initial Denial: 490

Continuing Approval: 4,239
Continuing Denial: 537

2020

- **13.4%** Denial rate of new H-1B petitions
- **5.6%** Denial rate of continuing H-1B petitions

Initial Approval: 1,523
Initial Denial: 236

Continuing Approval: 4,484
Continuing Denial: 268

1. Unless otherwise specified, data comes from 5-year samples of the American Community Survey from 2014 and 2019 and figures refer to Ohio.
2. STEM refers to occupations that require background or expertise in Science, Technology, Engineering, and/or Math.
3. Data of job postings comes from Burning Glass Technologies.
4. Data of H-1B visa petitions comes from H-1B Employer Data Hub from the U.S. Citizenship and Immigration Services.