Ohio's Innovative Pathways

Dr. Steve Gratz, *Senior Executive Director*

December 2018

Ohio | Department of Education
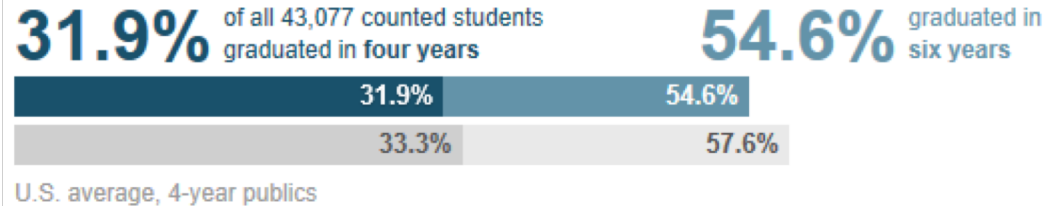
Goal for Each Child

Annually increase the percentage of Ohio's high school graduates who, within one year of graduation, are:

- Enrolled and succeeding in a post-high school learning experience, including an adult career-technical education program, an apprenticeship and/or a two-year or four-year college program (15 semester hours);

- Serving in a military branch;

- Earning a living wage; or

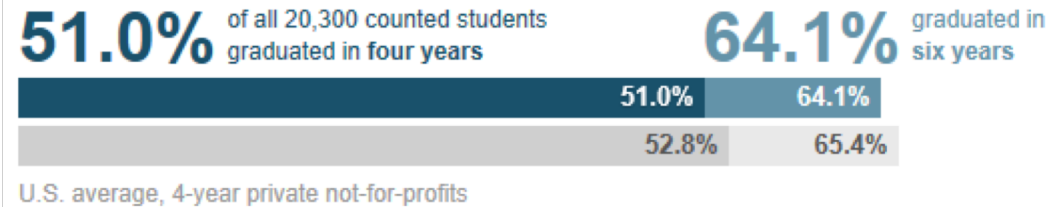- Engaged in a meaningful, self-sustaining vocation.

From Ohio's Strategic Plan for Education
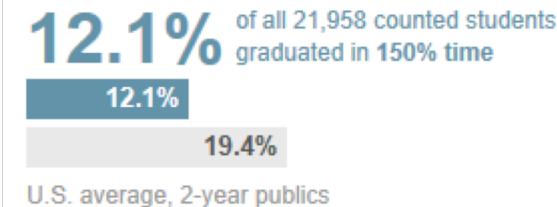
College Completion Rates

Ohio public colleges (4-year)

31.9% of all 43,077 counted students graduated in **four years**   **54.6%** graduated in six years

| 31.9% | 54.6% |
| 33.3% | 57.6% |

U.S. average, 4-year publics

Ohio private colleges (4-year)

51.0% of all 20,300 counted students graduated in **four years**   **64.1%** graduated in six years

| 51.0% | 64.1% |
| 52.8% | 65.4% |

U.S. average, 4-year private not-for-profits

Ohio public colleges (2-year)

12.1% of all 21,958 counted students graduated in **150% time**

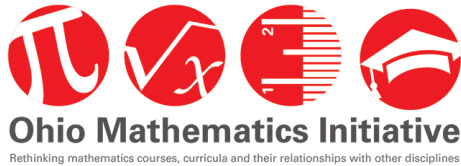| 12.1% |
| 19.4% |

U.S. average, 2-year publics

The Chronicle of Higher Education

Prepared for Success

	Percentage of the 2015 Graduating Class Entered College within Two Years	Percentage of the 2011 Graduating Class Graduated from College within Six Years of Leaving High School
Bay Village	85.8	71.1
Brecksville-Broadview Heights	84.8	65.8
Strongsville	83.7	64.4
Rocky River	86.3	64.3
Solon	84.5	63.1
Westlake	79.5	61.9
North Royalton	81.8	61.1
Orange	84.6	60.5
Beechwood	83.8	57.1
Independence	78.1	54.8
Mayfield	75.8	54.7
County Average	**69.2**	**41.6**
State Average		**54.6**

Ohio Attainment Goal

Employment Projections

1. Go to OhioMeansJobs Workforce Data Tools - https://tinyurl.com/ybeh6jm2

2. Scroll down and click on Employment Projections

3. Click on the "In-Demand occupations only" radio button

Employment Projections

4. Click on the JobsOhio region where you reside.

5. Click on the JobsOhio region where you reside.

6. Click on Occupation Table breadcrumb.
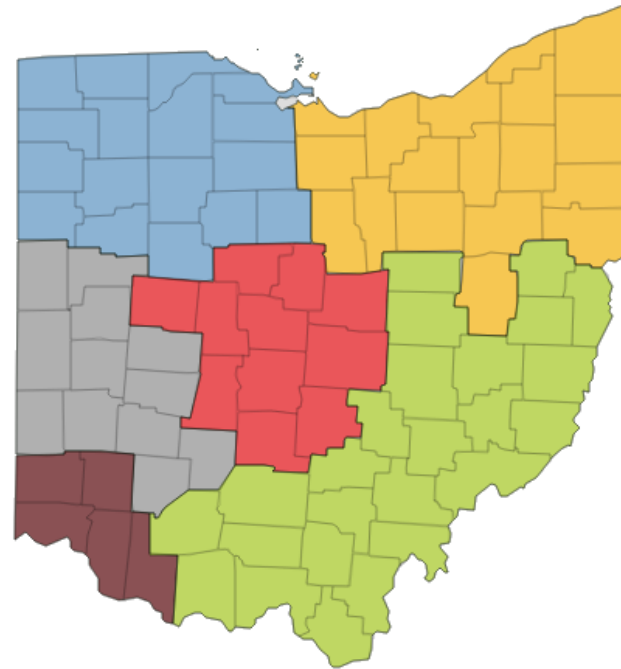
Ohio's In-demand Jobs

- Nursing

- Office Clerk

- Customer Service Representative

- General and Operations Managers

- Maintenance and Repair Workers, General

- Truck Drivers, Heavy and Tractor-Trailer

- Team Assemblers

Credentials Related to Ohio's In-demand Jobs

In-Demand Job	Related Industry Credential
Nursing	STNA and/or Phlebotomy
Office Clerk	Microsoft Suite
Customer Service Representative	RISE Up
General and Operations Managers	OSHA, MSSC
Maintenance and Repair Workers, General	OSHA, MSSC (CPT)
Truck Drivers, Heavy and Tractor-Trailer	CDL
Team Assemblers	OSHA, MSSC

Employment Projections

Occupation	Employment 2014	Employment 2024	Pct change	Annual openings	Education distribution	Median wage 2016
Registered Nurses 👍	49,430	56,750	15%	1,897		$30.91
Office Clerks, General 👍	37,240	37,850	2%	864		$13.87
Nursing Assistants 👍	26,940	31,070	15%	1,021		$11.88
Secretaries, Except Legal, Medical, and Executive 👍	27,990	28,400	2%	337		$16.14
Truck Drivers, Heavy and Tractor-Trailer 👍	24,720	25,800	4%	528		$20.35
General and Operations Managers 👍	24,280	25,310	4%	717		$42.92
Customer Service Representatives 👍	23,840	25,060	5%	710		$16.06
Maintenance and Repair Workers, General 👍	20,450	21,240	4%	615		$18.16
Bookkeeping, Accounting, and Auditing Clerks 👍	23,060	20,980	-9%	226		$17.67
First-Line Superv./Mgrs of Retail Sales Workers 👍	20,030	20,190	1%	464		$17.51

Health Science Career Pathway

Certificate, Dental Assisting

Associate or Bachelor's Degree, Dental Hygiene

Doctoral Degree, Dentistry

Start Pre-Health
As early as grade 7 (based on readiness)

Dental Assistant 👍
Median Salary: $33,690
Job Growth (10 yr): 20.5%
Annual Openings: 416
Average Tuition (1 yr): $0 – $3,900/yr

Dental Hygienist 👍
Median Salary: $65,510
Job Growth (10 yr): 26.3%
Annual Openings: 345
Average Tuition (2 yrs): $3,900/yr
Average Tuition (4 yrs): $9,600/yr

Dentist
Median Salary: $158,460
Job Growth (10 yr): 9.5%
Annual Openings: 186
Average Tuition (4 yrs): $35,000/yr

Workplace Visits
Job Shadow
Internship
Work

Supervised Experience

Work

Supervised Experience
Internship

Work

Internship

Work

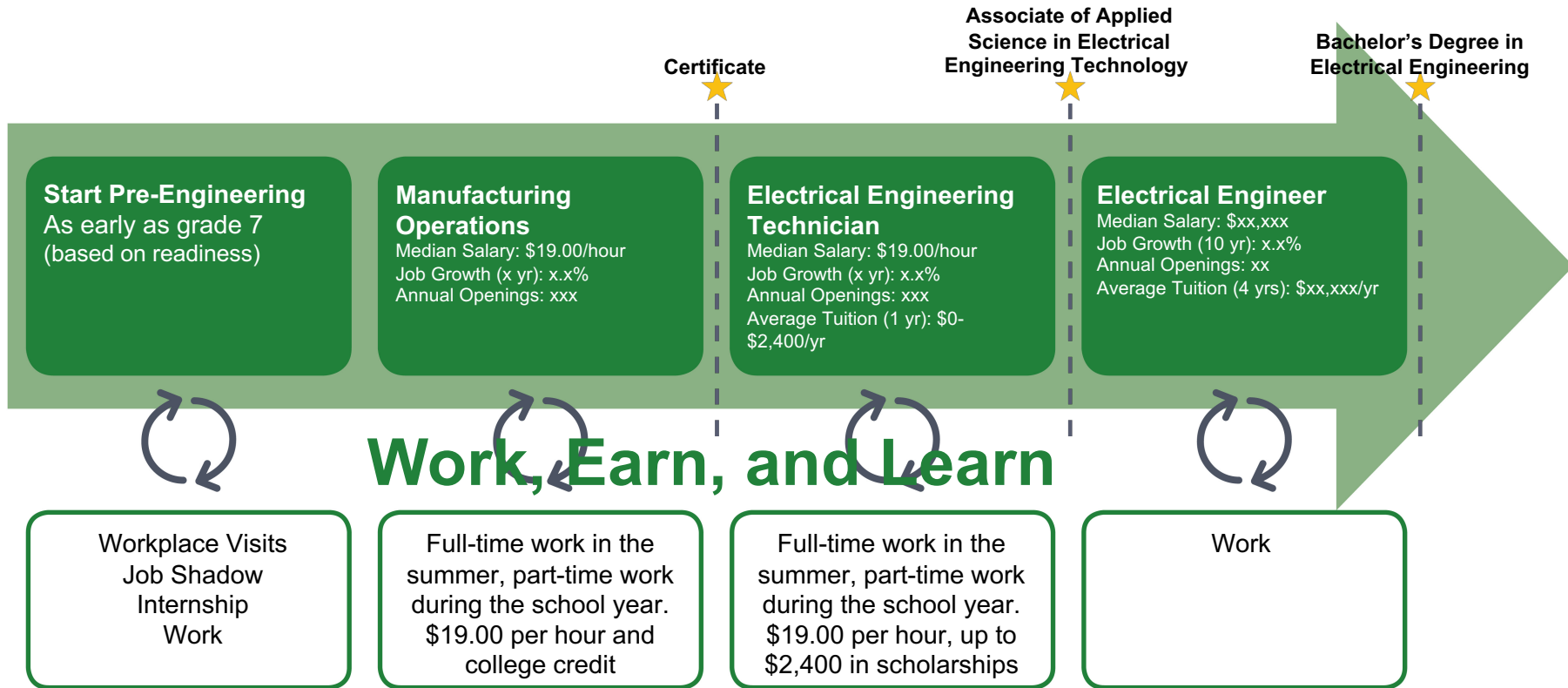Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

Preparing students for multiple options after high school:
gainful employment and/or postsecondary study.

👍 *Ohio In-demand Occupations*

Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit ohiohighered.org.

Manufacturing Technologies Career Pathway

Whirlpool®

Certificate ⭐

Associate of Applied Science in Electrical Engineering Technology ⭐

Bachelor's Degree in Electrical Engineering ⭐

Start Pre-Engineering
As early as grade 7 (based on readiness)

Manufacturing Operations
Median Salary: $19.00/hour
Job Growth (x yr): x.x%
Annual Openings: xxx

Electrical Engineering Technician
Median Salary: $19.00/hour
Job Growth (x yr): x.x%
Annual Openings: xxx
Average Tuition (1 yr): $0-$2,400/yr

Electrical Engineer
Median Salary: $xx,xxx
Job Growth (10 yr): x.x%
Annual Openings: xx
Average Tuition (4 yrs): $xx,xxx/yr

Work, Earn, and Learn

Workplace Visits
Job Shadow
Internship
Work

Full-time work in the summer, part-time work during the school year. $19.00 per hour and college credit

Full-time work in the summer, part-time work during the school year. $19.00 per hour, up to $2,400 in scholarships

Work

Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

Preparing students for multiple options after high school:
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Ohio | Department of Education

Ohio MEANS Jobs®

Ohio | Board of Regents
University System of Ohio

Questions to be answered

- Data driven questions:
  - Are the right people participating in the conversation?
  - What are the best HSHD pathways for our region?
  - Do ALL students have equitable access to HSHD pathways?
  - What models exist and who's doing this well?

Business Advisory Council

Business advisory councils include regional business leaders who are familiar with business and industry needs. Members partner with district leaders to plan and carry out the council's work.

Roles of a Business Advisory Council
1. Advise on **changes in economy and job market**
2. Advocate for **employment skills**
3. **Support local school districts**

Postsecondary Credentials

- What is a postsecondary credential?
  - Associate's Degree?
  - Bachelor's Degree?
  - Industry recognized credential?

ALL students can attain or make progress toward postsecondary credentials while in high school and beyond. Today ALL students can graduate with some college.

Industry-Recognized Credentials

- Important for ALL students
- Can be used to mitigate risk
- Can earn postsecondary credit

Industry-Recognized Credentials

Increasing Student Options

- Create pathways at the high school starting as early as grade 7

  - Align pathways to programs at area Career Center and Community Colleges

- Develop credit flexibility plans for work-based learning

- Start a Personalized Professional Pathway (P3)

- Develop an industry credential only program

Personalized Professional Pathway (P3)

- Provides schools a way to diversify their pathway offerings and place more students in work-based learning.
  - Class on employability skills aligned to OMJ Readiness Seal
  - Requires work-based learning aligned to technical content standards
  - Credit flexibility in CTE

Credential Only Pathway

- Industry recognized credential
- 12-hour teaching permit
  - Example: School nurse teaching to STNA or phlebotomy credentials

OhioMeansJobs-Readiness Seal

School Reimagined

1. Transition all students to something and not out of high school.

2. Identify in-demand sectors in your region – keep your talent local.

3. Review school performance metrics and identify areas of improvement.

4. Work with Business Advisory Council and regional partners.

School Reimagined

5. Communicate *ad nauseum* with school employees and the community.

6. Develop in-demand pathways beginning in grade 7 and show the progression of advancement.

7. Start a P3 program.

8. Increase the percentage of students completing a Student Success Plan through OhioMeansJobs.

School Reimagined

9. Provide all students with the supports they need to succeed.

10. Ensure *every* school employee knows the career aspirations of every student.

11. Increase the number of integrated courses offered so students receive simultaneous credit.

School Reimagined

12. Increase the percentage of students earning an industry credential, where applicable, aligned to their career aspiration.

13. Increase the percentage of students participating in work-based learning experiences.

School Reimagined

14. Increase the percentage of students earning the OhioMeansJobs-Readiness Seal.

15. Provide counselling to students for two-years after graduation.

16. Start collecting longitudinal data on high school graduates.

17. Share quick wins and promising practices.

18. Think big, start small, scale fast.

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education.ohio.gov