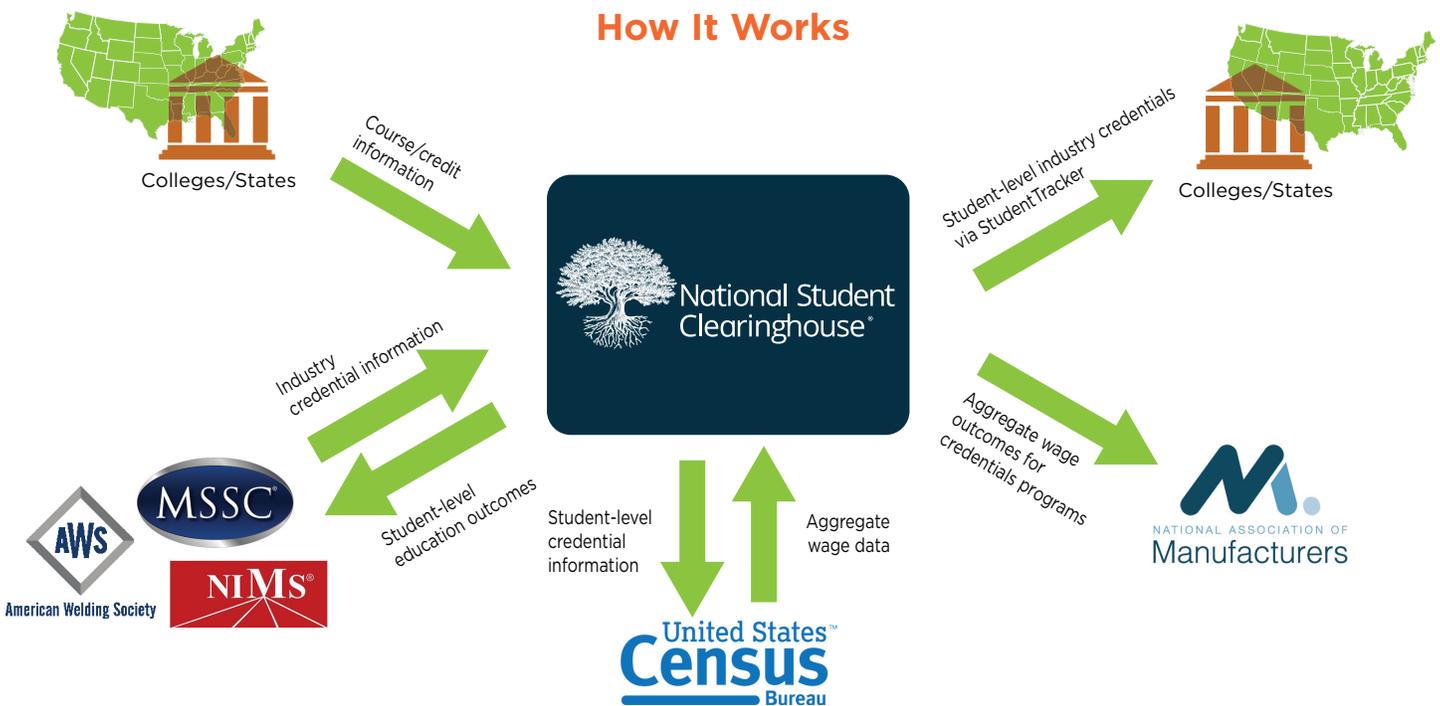# Industry Credentials and Education Performance Data System
How It Works and Who Benefits

The **Industry Credentials and Education Performance Data System** is a landmark effort that – *for the first time* – brings together academic and industry credentials. It offers the most complete look at student success throughout the education-workforce continuum.

How It Works

Colleges/States — Course/credit information → National Student Clearinghouse

Industry credential information → National Student Clearinghouse

Student-level education outcomes ← (AWS American Welding Society, MSSC, NIMS)

Student-level credential information ↓ / Aggregate wage data ↑ — United States Census Bureau

Student-level industry credentials via StudentTracker → Colleges/States

Aggregate wage outcomes for credentials programs → National Association of Manufacturers

Benefits across the Education-Workforce Continuum

Institutions:
- Enables a better understanding of student outcomes before and after credentials are awarded
- Improves education decision making
- Reveals paths to full employment for students
- Provides opportunities for program improvement and expansion

Employers:
- Identifies high-performing institutions and quality sources of talent
- Improves hiring and training decision making

Credential Providers:
- Expands access to both employment and education data showing student achievement
- Allows ROI of credential attainment to be measured

Date: 02/06/2019

National Student Clearinghouse

Industry Credential Aggregate Report

Manufacturing Industry Credential Provider		Calculation Definitions
File Creation Date	2/6/19	
Postsecondary Education (PSE) Outcomes Tracking Period	2015-2018	
Total Number of Credential Earners	25,354	
Total Credential Earners with PSE Enrollment Records	15,124	# of IC students with for credit enrollment records at PSE institutions
Total Credential Earners with PSE Degrees	6,570	# of IC students with degrees
Highest Degree		
Highest Degree - PhD	0.25%	# of students with PhD / total # of students provided
Highest Degree - Professional	0.30%	# of students with Professional Degree / total # of students provided
Highest Degree - Master's	0.30%	# of students with Master's / total # of students provided
Highest Degree - Bachelor's	1.72%	# of students with Bachelor's / total # of students provided
Highest Degree - Associate	7.02%	# of students with Associates / total # of students provided
Highest Degree - Certificate	8.35%	# of students with Certificate from institution / total # of students provided
Highest Degree - PSE Credential	0.56%	# of students with Postsecondary credential from institution / total # of students provided
Highest Degree - No Degree	81.50%	# of students with no degree record at NSC
Any Degree		
Any Degree - PhD	0.37%	# of students that have this degree / # of students in file
Any Degree - Professional	0.01%	If a student has an Associate and Bachelor's they will appear in both buckets.
Any Degree - Master's	0.50%	The total count will be > 100%
Any Degree - Bachelor's	1.90%	
Any Degree - Associate	7.85%	
Any Degree - Certificate	12.90%	
Any Degree - PSE Credential	1.06%	
Any Degree - No Degree	79.50%	
PSE Enrollment, No Degree	31.50%	# of students with enrollment data, but no degree / total # of students provided
No PSE Enrollment, No Degree	53.75%	# of students without enrollment or degreee data / total # of students provided

Industry Credential Aggregate Report
Manufacturing Industry Credential Provider

Calculation Definitions

Top 5 PSE Credentials	
MACHINE TOOL TECHNOLOGY	8.45%
COMPUTER-INTEGRATED MACHINING	4.21%
PRECISION MACHINING TECHNOLOGY	3.12%
NOT APPLICABLE	5.01%
ADV. MFG. MACHINE TECHNOLOGY	2.55%
Top 5 Enrollment by CIPs	
480501-Machine Tool Technology/Machinist	12.50%
480503-Machine Shop Technology/Assistant	7.90%
240102-General Studies	8.54%
240101-Liberal Arts and Sciences/Liberal Studies	6.23%
480510-Computer Numerically Controlled (CNC)	4.71%
Percent PSE Degree After Credential(s)	16.20%
School type of Previous Enrollment	
Percent Previous Enrollment at less than two-year institution	0.09%
Percent Previous Enrollment at two-year institution	29.30%
Percent Previous Enrollment at four-year institution	5.70%
Gender	
Percent Male	89.50%
Percent Female	9.50%
Percent Unknown Gender	1.00%
Age	
Percent under 20 years old	6.75%
Percent 20-24 years old	15.39%
Percent above 24 years old	30.87%

This is calculated by counting degree title in degree or PSE certificate records for all students provided in file and calculating the Top 5 by the frequency they appear.

This is calculated by counting CIPs in enrollment records for all students provided in the file and calculating the Top 5 by the frequency they appear.

# of students provided where degree award date > certification award date / Total # of students provided.

Determine enrollment by school type (2-year, 4-year, or professional/career college) for students if enrollment record is prior to credential award date.

Total # of students in gender group / Total # of students provided.

Total # of students in age group / Total # of students provided. This will not equal 100% if age was not provided for every student submitted.

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