



Science, Mathematics & Engineering

Apprenticeship & Internship Programs

By Chad R. Bridgman

SME - Apprenticeships & Internships

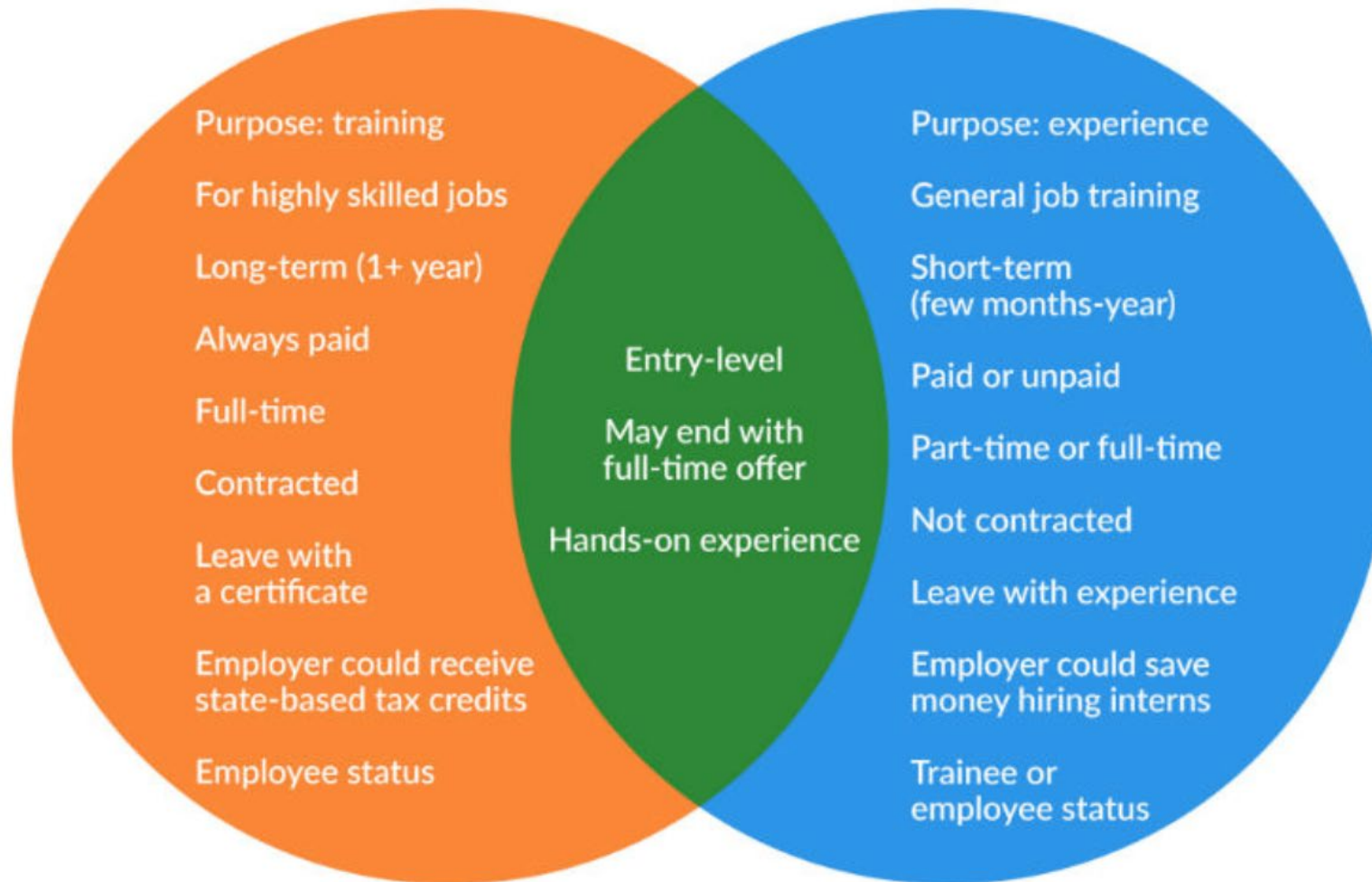


Today's Overview

- ▶ Internship and Apprenticeships
- ▶ Work and Learn
- ▶ Registered Apprenticeship Program at Sinclair
- ▶ Talent Shortfall and New Economy
- ▶ New Initiatives

SME - Apprenticeships & Internships

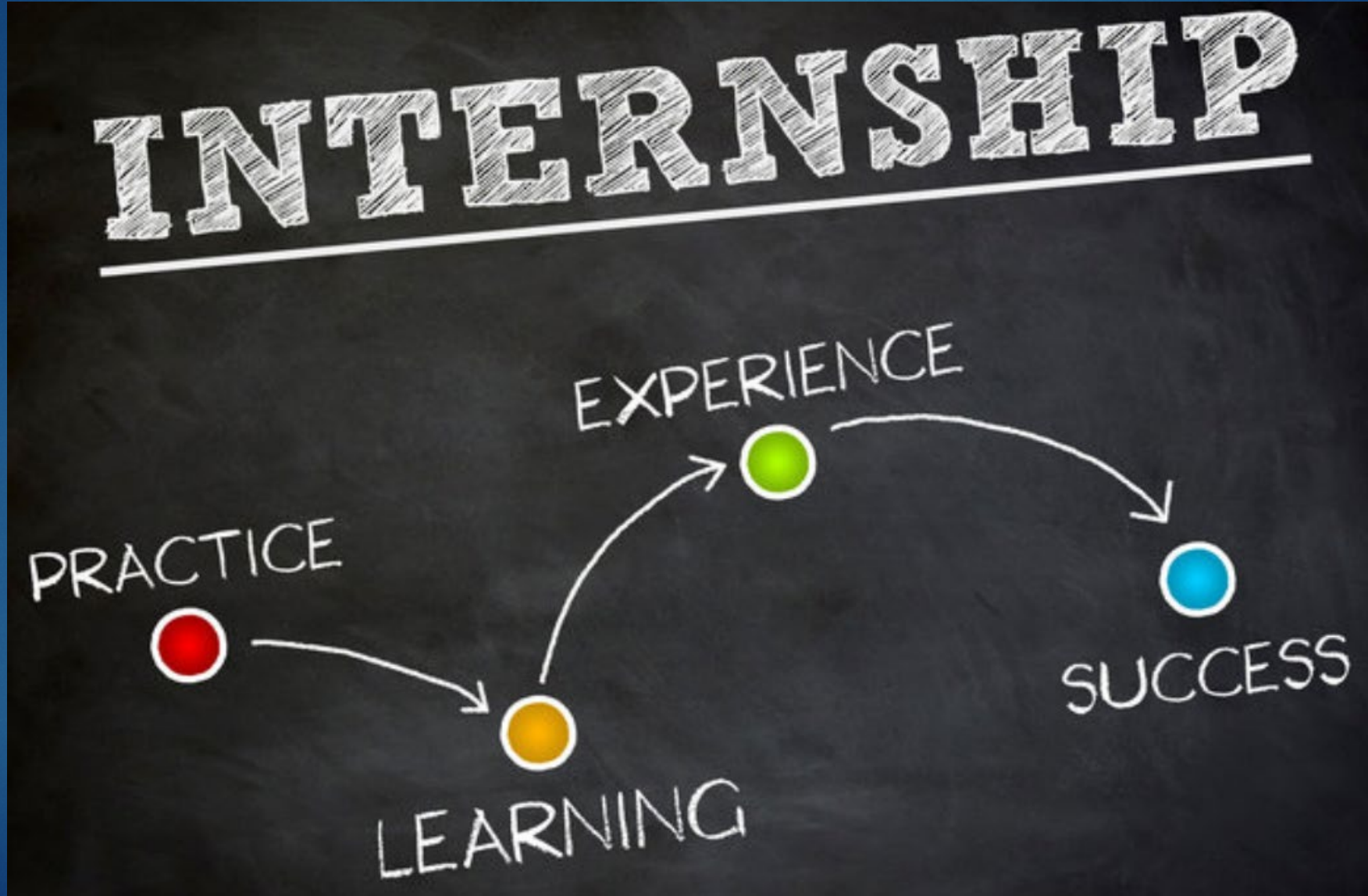
APPRENTICESHIPS + INTERNSHIPS



SME - Apprenticeships & Internships



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THE BEST OF BOTH WORLDS

Learn

Work



SME Apprenticeship Program

- ▶ Department of Labor – ODJFS ApprenticeOhio Grant
- ▶ Sinclair College is 1 out of 10 Community Colleges allowed to operate a sponsored registered apprenticeship program
- ▶ Apprenticeship Program Launched – Spring of 2018
 - ▶ 18 Apprentices
 - ▶ HVAC, and Electrical Mechanical
 - ▶ 3 High School to Sinclair College Apprentices
- ▶ Direct coaching involvement from inquiry to completion
- ▶ SME Apprenticeship Program invited to showcase program by staffing a booth at the Ohio State Fair

SME Apprenticeship Programs

- ▶ **Current Apprenticeship Programs**
- ▶ **Industrial Maintenance (certificate)**
 - ▶ Automation Control Technology with Robotics Degree
- ▶ **HVAC Light Commercial & Residential Service (certificate)**
 - ▶ Heating, Ventilating, Air Conditioning & Refrigeration (HVACR) Engineering Technology Degree
- ▶ On The Horizon
- ▶ **Computer Aided Manufacturing Basic Machining Skills (certificate)**
 - ▶ Computer Aided Manufacturing/CNC Technology Degree
- ▶ **Construction Technician (certificate)**
 - ▶ Construction Management Degree

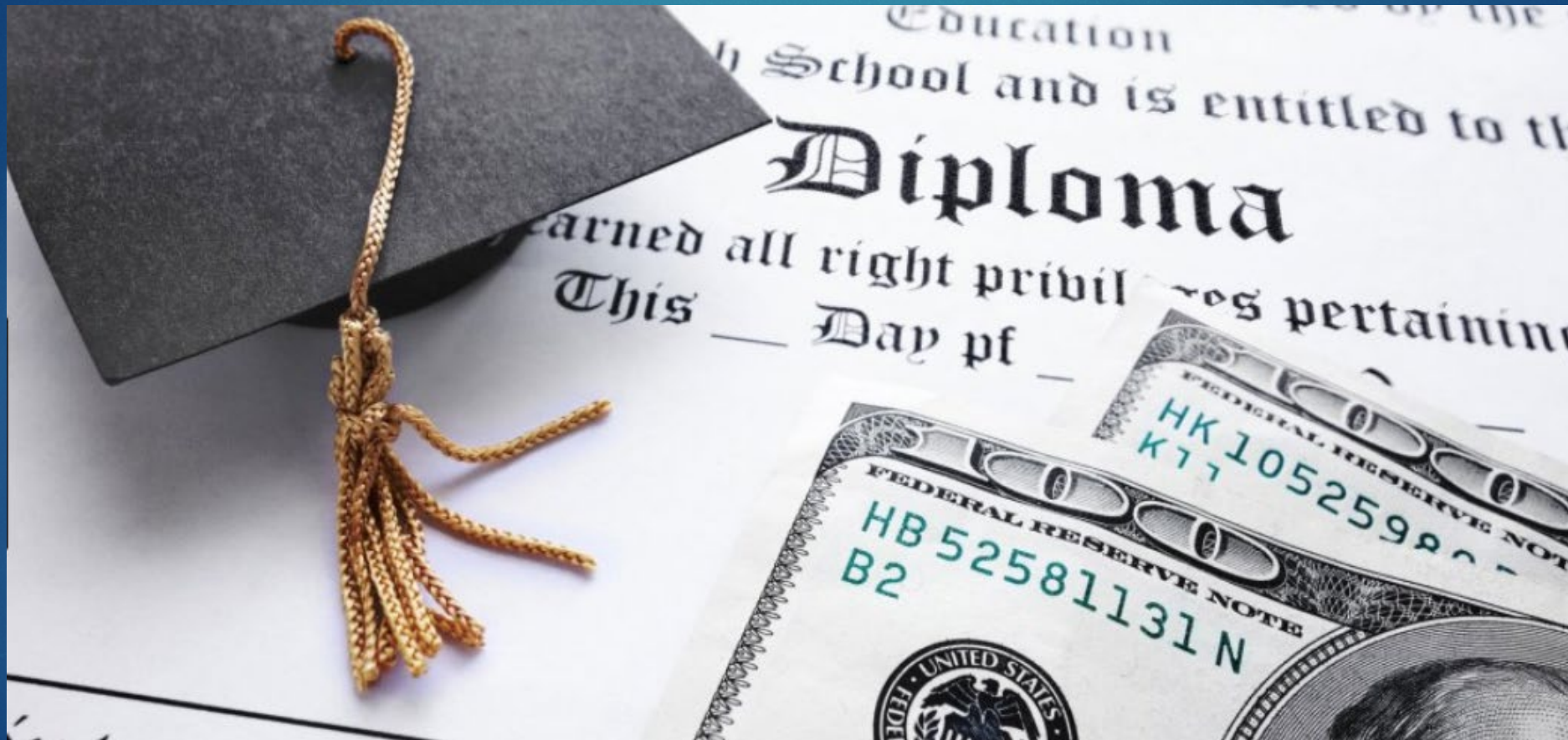
SME Registered Apprenticeship Benefits for a Company

- ▶ Connection to High School Students
- ▶ Managed development of employee through the assistance of the Apprentices Office
- ▶ Progress measured through On The Job Training hours and Related Instruction Hours
 - ▶ Wages directly tied to progress
- ▶ **NO company audits** from ApprenticeOhio due to the program being registered to Sinclair College
- ▶ A solution to help rebuild a companies workforce pipeline
- ▶ A great way to integrate college education and development

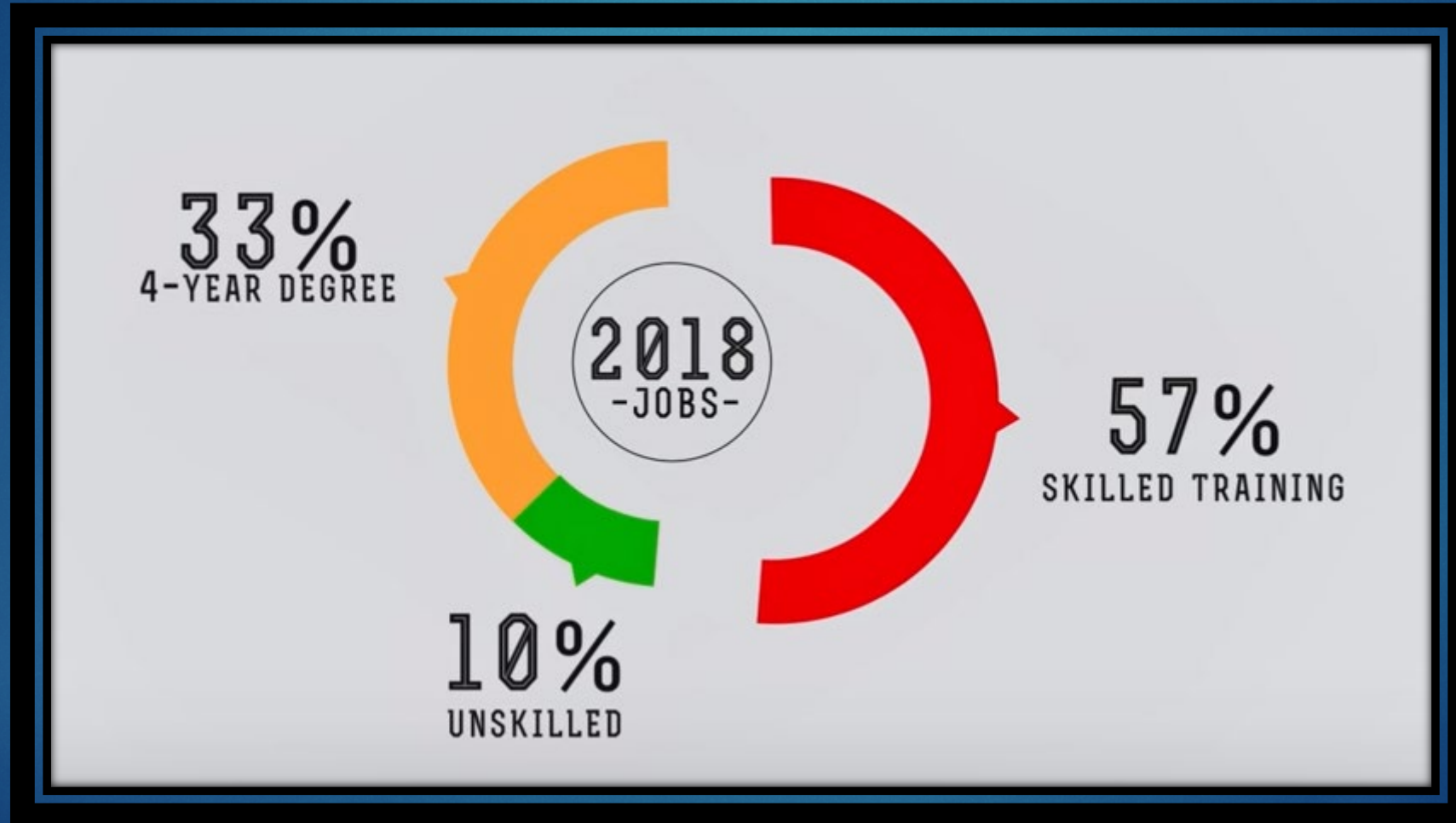
Talent Shortfall & New Economy



Graduation and Debt

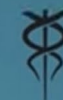


Job Projections from Harvard in 2015



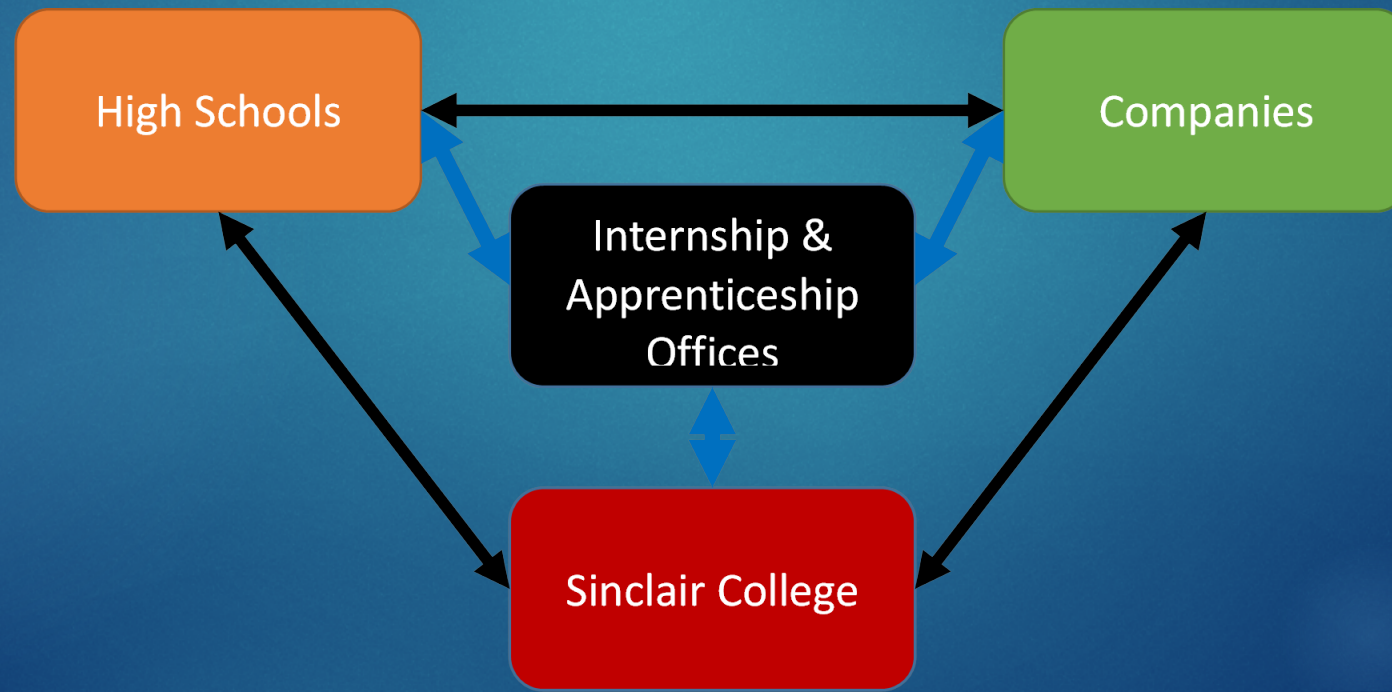


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New Initiatives

- ▶ Connecting Industry to Students, and Students to Industry with a Purpose
 - ▶ High School Internships to College Scholarships
 - ▶ Pre-Apprenticeships to College Internships & Apprenticeships
 - ▶ High School Virtual Students to College Internships & Apprenticeships
 - ▶ Montgomery County Ohio Means Jobs – WIOA Youth and Adult Programs



Build your business relationships,
and you will build the trust needed
to connect students to industry and
launch their **career journeys!**





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Internships & Apprenticeships | Science,
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