

Innovation in Vocational Training and Education

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Central Piedmont Community College

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The Community College Model in the U.S.

Historical Context

Community colleges are agile and responsive, focused on the needs of industry

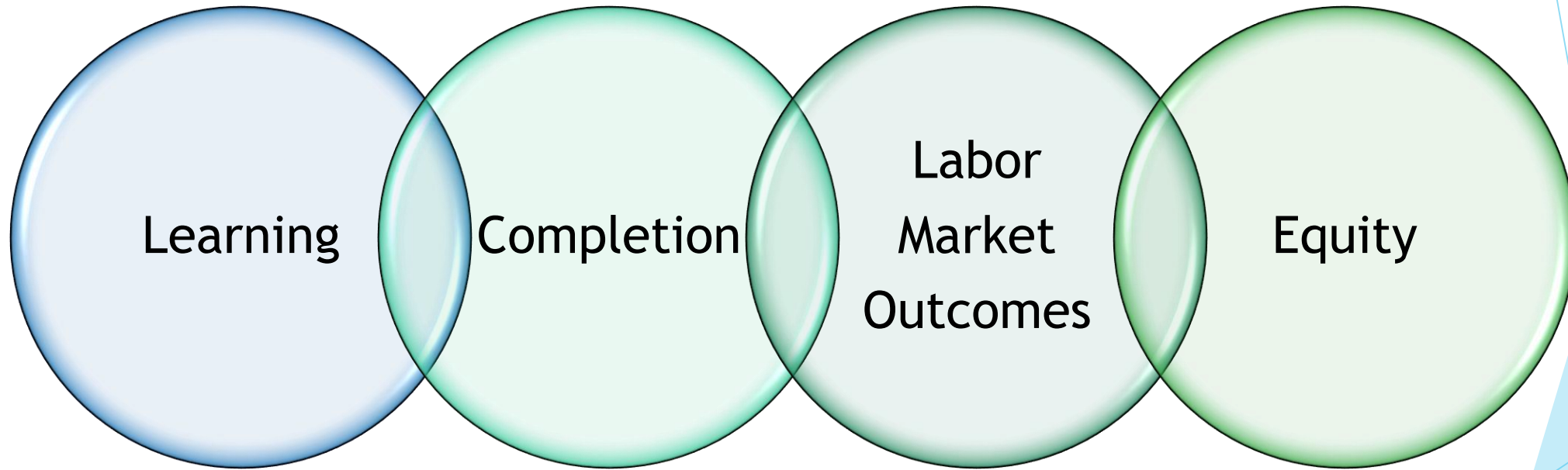


community colleges are
**comprehensive
2 YEAR COLLEGES**
that prepare people for careers



community colleges
EDUCATE OVER HALF
of all undergraduates
in the nation

National Community College Student Success Agenda



Source: Aspen Institute

Central Piedmont Community College Leader in Workforce Development



Our **VISION** is to remain the nation's leader in workforce development



Our **GOAL** is to prepare students for careers in the 21st Century



advanced manufacturing energy finance health care
transportation and logistics law enforcement and other fields

Central Piedmont Community College

Recognized Leader

Central Piedmont Community College is a recognized leader in the U.S. for strong collaboration with private sector industry

Community colleges form one element of a "three part" strategy for economic and workforce development:



Central Piedmont Community College

Recognized Leader



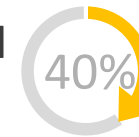
serving over
70,000
students each year

6
campuses

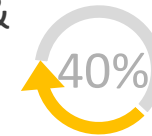
98%
satisfaction
with business &
industry clients

Enrollment

College-level
Classes



Corporate &
Continuing
Education



Literacy
Classes



5,175 International
Students from 161
Countries

A minority majority college

Building the Future Workforce to Meet Industry Needs

CPC is a national leader in the adaptation and integration of "Germanic - style" training models and best practices

Traditional Apprenticeships:



Bilateral technical certificate programs:
IHK-Karlsruhe/CPC partnership

Building the Future Workforce to Meet Industry Needs

The CPCC and Siemens collaboration in Charlotte is internationally recognized as a model for education and industry partnerships

Apprenticeship pathways in production and maintenance occupations

CPCC develops customized skills assessments

Create individualized training plans across multiple job roles

14 CPCC faculty trained at Siemens Technik Akademie in Berlin



Building the Future Workforce to Meet Industry Needs

Colleges must learn from industry through apprenticeships and continuously adapt programs

- ▶ Ten manufacturers run apprenticeships with CPCC
- ▶ Structured dialog between the College and companies that aligns coursework with job duties
- ▶ Changes in technology have resulted in FOUR curriculum versions for local manufacturers in past two decades

Building the Future Workforce to Meet Industry Needs

Recent federal support through DOL TAAACCT and National Science Foundation that funds innovation in higher education

- ▶ Curriculum digitization to modernize manufacturing program—Industry 4.0
- ▶ Bridges to Baccalaureate program to increase underrepresented minorities in STEM bachelor programs