

CTE DUAL ENROLLMENT PATHWAYS INCREASE ASSOCIATE DEGREE ATTAINMENT



NC Career & College Promise Dual Enrollment Program Pathways

Career and Technical Education pathway

College Transfer pathway

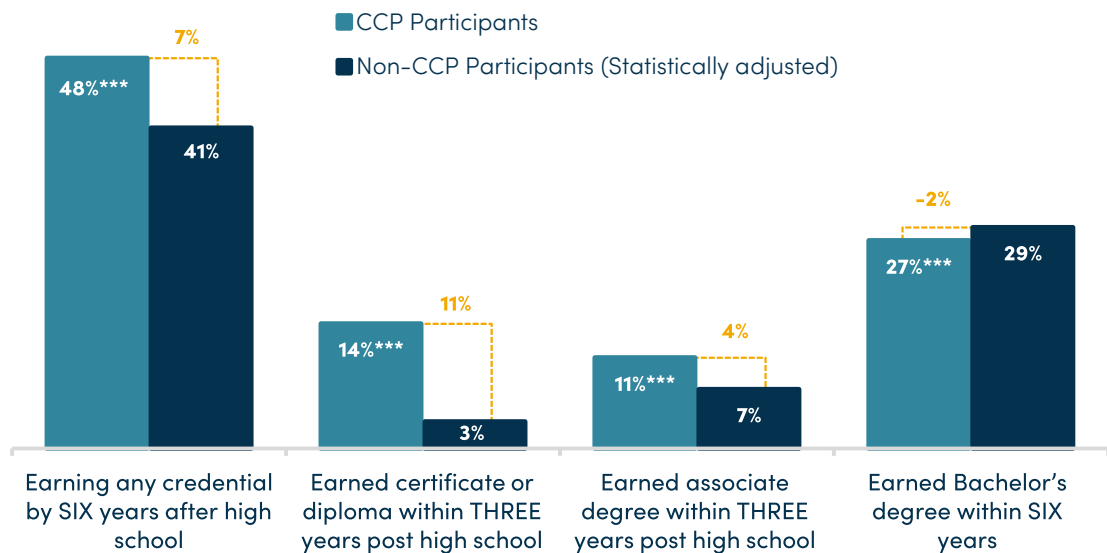
Cooperative Innovative High Schools pathway

As part of the Career and Technical Education (CTE) Dual Enrollment Pathway under Career & College Promise, high school students take **dual enrollment classes that lead to a community college technical credential or workforce-based career**. These courses are available in almost every high school in North Carolina.

Although CTE Pathway students were much more likely to get any sort of postsecondary credential, they were less likely to get a bachelor's degree.

The largest impact on credential attainment was on male students and economically disadvantaged students.

CTE PATHWAY STUDENTS MORE LIKELY TO GET CERTIFICATE AND ASSOCIATE DEGREE



***p≤.001

Note: Credentials include both those earned in high school and post-high school.

About the Study



The sample includes approximately 500,000 students in high school from 2012–2019, including students who participated in CCP and students who did not.



The study team used statistical approaches to make the groups of CTE Dual Enrollment Pathway participants and non-participants look the same and then compared postsecondary credential outcomes for the two groups.

The **CCP Evaluation Partnership** is a five-year partnership between the NC Community College System, the NC Department of Public Instruction, Early College Research Center at the University of North Carolina at Greensboro, and the RAND Corporation. This study is supported by the Institute of Education Sciences at the U.S. Department of Education through Grant R305H190036 to UNC Greensboro. To learn more about the study, email Julie Edmunds at jedmunds@serve.org.



For more information on the Career & College Promise CTE Dual Enrollment pathway, see this website (<https://bit.ly/3dm2i9T>) from the North Carolina Department of Public Instruction. To enroll, speak with your high school guidance counselor or your local community college. To learn more about these and other study findings, visit earlycollegeresearch.uncg.edu.

CTE DUAL ENROLLMENT IN NORTH CAROLINA IMPROVES HIGH SCHOOL AND COLLEGE OUTCOMES

The CCP Evaluation Partnership studied the career and technical education (CTE) pathway in North Carolina's **Career & College Promise (CCP)** dual enrollment program. The study found **positive impacts** on students, particularly for groups historically underrepresented in postsecondary education.



HIGHER
high school
graduation rates



HIGHER
postsecondary
enrollment rates



North Carolina Career & College Promise Dual Enrollment Program

In North Carolina, eligible high school students can earn credentials and college credits tuition-free from North Carolina colleges and universities through **Career & College Promise**, a statewide dual enrollment program. Three pathways are available.

College Transfer pathway

Take dual enrollment classes that lead to an associate degree to meet general education requirements at a 4-year college.

Career and Technical Education pathway

Take dual enrollment classes to earn college credits leading to technical credentials or workforce-based careers.

Cooperative Innovative High Schools pathway

Earn an associate degree or 2 years of college credit at an approved high school partnered with a college or university (e.g., an early college).

Participation in the CTE dual enrollment pathway led to **positive outcomes** for students in the **transition from high school to college**.

The study looked at students who participated in CCP over 7 years and found positive effects for students in the CTE dual enrollment pathway, on average, compared with similar students who did not take dual enrollment courses.¹

CTE dual enrollment students in Grade 11 or 12 **did better on key indicators of the transition from high school to college** than non-participating students.

	More COLLEGE CREDITS earned while in high school	6x more
	More likely to GRADUATE from high school	2+ percentage points higher
	More likely to ENROLL in college ²	9+ percentage points higher

About the Study



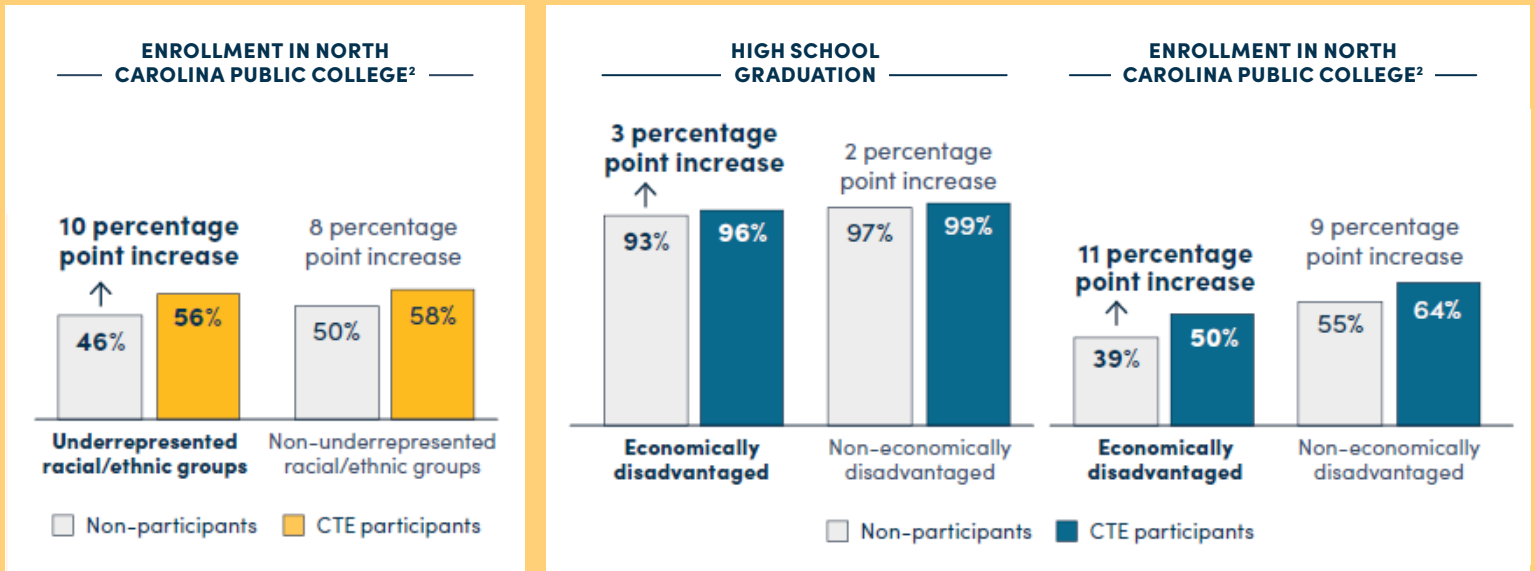
Compiled demographic and academic achievement data for 525,000 students in Grade 11 or 12 who participated in North Carolina's Career & College Promise CTE Pathway from 2012–13 to 2018–19 and a comparison group of similar students who did not participate in CCP.



Used a quasi-experimental design to analyze short-term and long-term outcomes of CTE dual enrollment participation, including high school GPA, college credits earned in high school, high school graduation, and enrollment in a North Carolina public postsecondary institution.

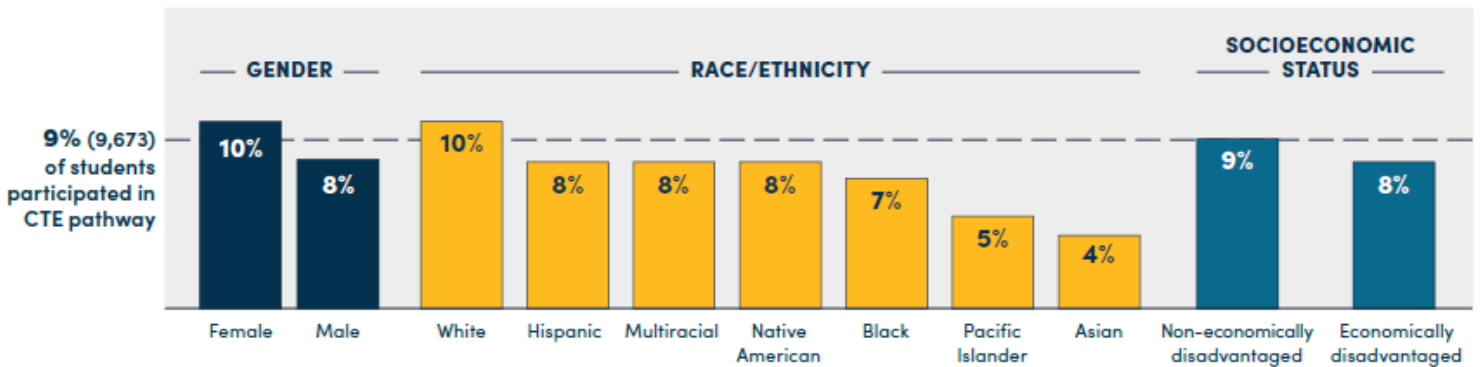
The impacts of CTE dual enrollment participation were particularly strong for **groups historically underrepresented in postsecondary education**.³

CTE dual enrollment students from underrepresented racial/ethnic groups² or economically disadvantaged households **benefited more from program participation** than did non-underrepresented or non-disadvantaged students.¹



Who participates in the CTE dual enrollment pathway?

How to read this graph: Nine percent of all Grade 12 students in North Carolina participated in CTE dual enrollment in 2018–19. Participation for specific student groups varied (for example, 10% of all female students and 8% of all male students participated).



CCP Evaluation Partnership



For more information about the Career & College Promise CTE pathway, see this website (<https://bit.ly/3dm2i9T>) from the North Carolina Department of Public Instruction. To enroll, speak with your high school guidance counselor or your local community college. To learn more about the study's findings about the other CCP pathways, see the other infographics in this series.

¹ Based on a comparison of CTE dual enrollment pathway students to students who did not take any community college dual enrollment courses and who did not attend a Cooperative Innovative High School from 2012–13 to 2018–19; this analysis excludes students enrolled in both the College Transfer and CTE dual enrollment pathways.

² Enrollment within 1 year of high school graduation in a North Carolina community college or in the University of North Carolina System.

³ Racial/ethnic groups that are historically underrepresented in postsecondary education are Black, Hispanic, Native American, and multiracial students.