

Nearly  
**100%**  
of DAPCEP students  
graduate from  
high school

WE SERVE  
**11,000**  
students  
per year

**50%**  
female

**50%**  
male

68,000 ALUMNI  
AND COUNTING...  
**68%**  
of DAPCEP alumni  
choose careers in  
**STEM**



Maximizing  
youth  
potential for  
**STEM**  
success  
since 1976

**CONTACT US**

2111 Woodward Avenue  
Suite 506  
Detroit, Michigan 48201

313-831-3050

[www.dapcep.org](http://www.dapcep.org)



DETROIT AREA PRE-COLLEGE  
ENGINEERING PROGRAM



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## WHO WE ARE

Detroit Area Pre-College Engineering Program (DAPCEP) was established in 1976 as a Michigan educational non-profit (501c3) organization.

## MISSION

To increase the number of historically underrepresented students who are motivated and prepared to pursue Science Technology Engineering and Math (STEM) futures.

## IMPACT

DAPCEP serves 11,000 preK-12th grade youth throughout Southeast Michigan and Illinois annually, thanks to the generous support of area colleges and universities, dozens of corporate partners and hundreds of volunteers.



## TAKE A STEM CLASS



**Explorers Saturday Series:** During the Fall and Spring semesters, preK through 3rd graders explore topics including astronomy, biology, earth science, natural science, and technology.

**Pathfinders Saturday Series:** During the Fall and Spring semesters, 4th through 12th graders take part in courses including artificial intelligence, chemistry, computer science, digital tech, engineering, mathematics, physics, renewable energy, robotics, SAT Prep and more.

**Summer Camps:** Students either live and learn on campus for two to four weeks in Summer Residency or commute Monday through Friday for camp. 3rd through 12th graders engage in unique outdoor STEM experiences such as Drone Certification.

**In-School Curriculum (DISC):** Also known as "DAPCEP In-School Program," DISC focuses on advanced STEM and project-based learning during weekday, in-school hours.

**Pop-Up STEM Program:** Brings 3-hour workshops led by trained facilitators to schools and organizations throughout metro-Detroit.

**Multi-Year Engagement Programs:** In a cohort model, multi-year programs engage students in two consecutive years of targeted activities that include Saturday courses, immersive experiences, and summer courses.

**Talent Tours & Bridge Program:** Introduces youth to available career paths in STEM fields. High schoolers visit professional STEM conferences and take part in college tours.

## STEM DAY

An annual large-scale event where thousands of students from more than 20 area schools attend a day of interactive panels and hands-on workshops led by local and national STEM corporate volunteers.

## REAL MCCOY AWARDS

Named after famed inventor and Detroit **Elijah McCoy**, this annual event honors distinguished professionals and youth who have demonstrated excellence in STEM throughout the year.

## ASK THE EXPERTS

DAPCEP students and parents ask STEM professionals about their career experiences. This initiative is designed to introduce students and parents to the realities of various corporate cultures.

## PATHWAYS TO SUCCESS

Engages 11th and 12th grade students in a series of single-focus STEM courses, internships, and mentoring experiences over 18 months.

## AFRICAN AMERICAN AND WOMEN LEADERS IN STEM SERIES

Introduces DAPCEP students to executive leaders at STEM corporations and businesses in a virtual panel.