



Pre-College Engineering Program

UNIVERSITY OF COLORADO BOULDER

Elevating the “E” in K-12 STEM Education

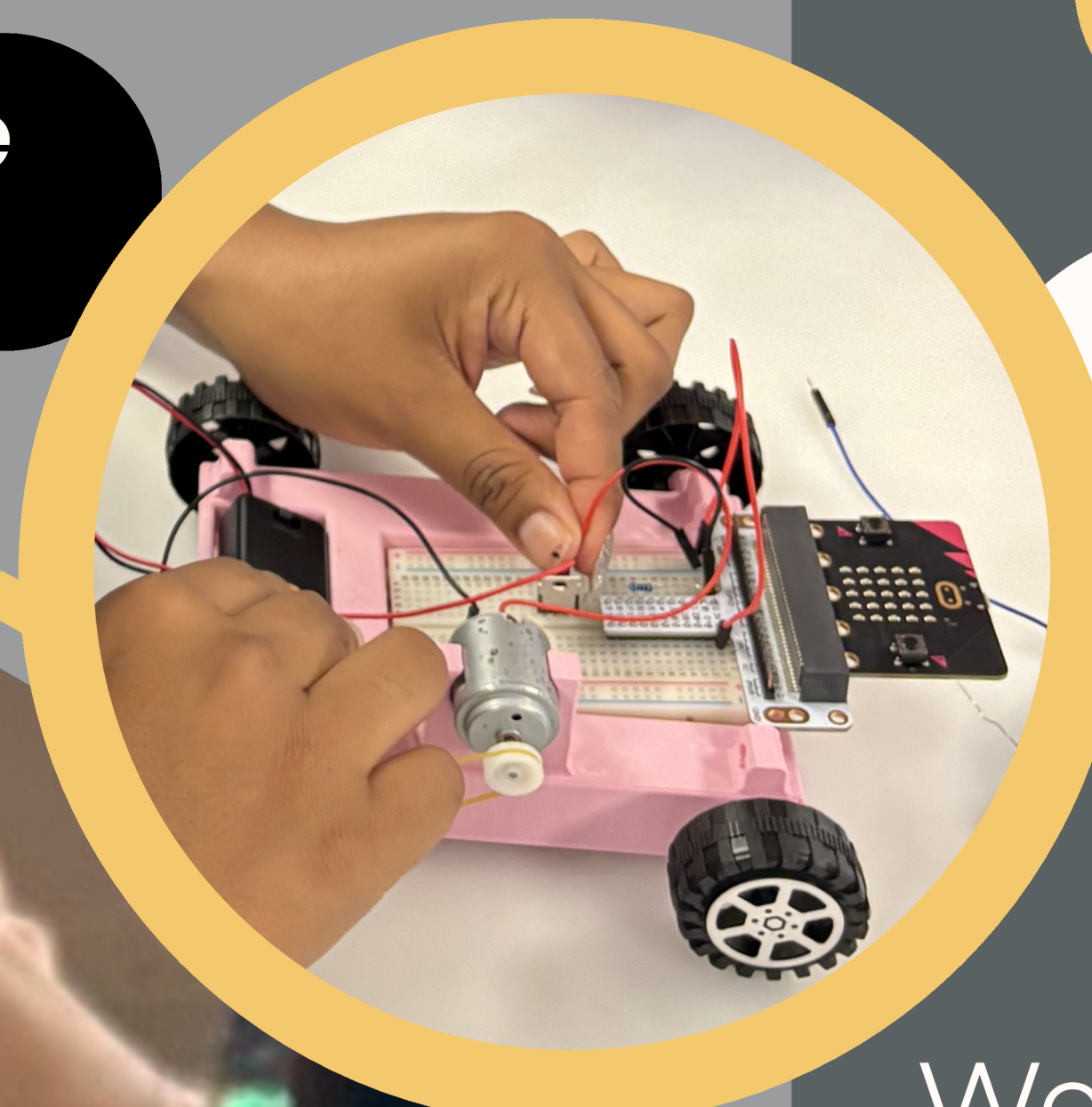
Our Mission

Engineering: Because Dreams Need Doing!

The CU Pre-College Engineering program engages K-12 students in fun, interactive engineering explorations to build their skills, spark curiosity, and boost confidence in pursuing STEM education and careers. We offer a variety of grade-level low- and high-tech engineering activities to foster students’ STEM know-how and interest.



STEM Education & Workforce Development



Who We Are

Pre-College Engineering Team

The CU Pre-College Engineering program operates under the Research Support Office of the College of Engineering and Applied Science (CEAS). Our dedicated team consists of CEAS staff and students who create and implement innovative STEM programming.



Near-Peer Mentor STEM Education Model



Our Partners & Projects

K-12 STEM Collaborations

We team up with campus initiatives, local schools, and community champions like the CU Office of Precollege Outreach and Engagement and the City of Boulder Family Resource Schools. Our specialized STEM projects are funded by local, state, and federal sources, including the Colorado DoT, NSF ASPIRE ERC, and NASA AREN program.



Campus and Community STEM Partnerships



Our K-12 Programs

Afterschool Engineering Clubs

Summer Engineering Camps

University STEM Program Collaborations

Community STEM Partnerships

Teacher Professional Development

What We Offer



Hands-On Engineering Design Challenges & Experiences



Engineering Skills Instruction



STEM Curriculum Development



Broader Impacts Support

Get in Touch!



We invite collaborations on K-12 STEM education and workforce initiatives!



Jennifer.L.Taylor@Colorado.edu
Director of CU Pre-College Engineering