Cornell Engineering High School Outreach Program

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Application Form
Submission Deadline: February 15, 2024

INSTRUCTIONS:

- While in this application form, you are able to navigate forward and backward throughout the form and edit your responses.
- However, once you have submitted this application form, you will be unable to modify or input additional data.
- In order to make edits after submitting the form, you will have to reapply and submit another application
- **IMPORTANT:**
  - **Once you submit your application, you will receive an automatic confirmation email confirming receipt with additional details on submitting your transcript, recommendation form, high school profile, and financial aid form.**

DEADLINES:

- You **must** submit your application, transcript, recommendation form, high school profile, and financial aid form ALL by February 15, 2024, in order to be considered.

ELIGIBILITY:

- Cornell Engineering High School Outreach Program can only accept applications from those who are currently residing or attending high school in one of the 50 United States, or its Territories. You **do not** have to be a US citizen or permanent resident to apply.
- The two branches of the Cornell Engineering High School Outreach Program are CATALYST Academy and CURIE Academy. Each academy is open to students of all identities who meet the eligibility criteria:
  - CATALYST eligibility criteria
  - CURIE eligibility criteria

Please confirm whether you currently reside in one of the 50 United States or its Territories.

○ Yes

○ No

Basic Info

Your Information

Last Name	
First Name	
Date of Birth (mm/dd/yyyy)	

Preferred Name, if different from first name

Contact Information

Your Primary Email (must be non-school email - i.e. gmail, icloud)	
Cell Phone (000-000-0000)	
Home Phone (000-000-0000)	

Alternate Email Address

Home Address

Address	

City

[   ]

State (format: NY, TX, NJ, etc.)

[   ]

Zip Code

[   ]

Country

[   ]

Expected Graduation Year

○ 2025

○ 2026

To which Academy are you applying for admission?

CATALYST Academy is open to students of all identities who meet the eligibility criteria.
CURIE Academy is open to students of all identities who meet the eligibility criteria.

○ CATALYST

○ CURIE

○ Both, CATALYST & CURIE

Will you be a first generation college student?

*A first-generation college student is defined as a student whose parent(s)/legal guardian(s) have **not** completed a bachelor's (4-year undergraduate) degree at a four-year college or university. This means that you will be the first in your immediate family to attend a four-year college/university to attain a bachelor's degree.*

○ Yes

○ No

(optional) Do you identify as Neurodivergent?

Neurodivergence describes natural, biological variation in terms of the manner in which individuals' brains process information. Individuals with an Autism Spectrum, ADD, and /or ADHD diagnosis often identify as neurodivergent, although not all neurodivergent individuals possess a formal medical diagnosis. Students are invited to confidentially self-identify through the application process.

○ Yes

○ No

○ Not sure

○ Prefer not to respond

(optional) Do you identify as living with or experiencing a disability?

> *Disability: A student who experiences "a physical or mental impairment that substantially limits one or more major life activities, a person who has a history or record of such an impairment, or a person who is perceived by others as having such an impairment" is protected by the Americans with Disabilities Act of 1990 and as amended (Americans with Disabilities Act, § 12102), as well as § 504 of the Rehabilitation Act of 1973.*

○ Yes

○ No

○ Not sure

○ Prefer not to respond

Academics

Cumulative Grade Point Average (GPA) and Scale:

> Indicate scale i.e. 4.0, 5.0, 100 pt., narrative, other etc...

	GPA	Scale
Weighted		
Unweighted		

High School Information

Name of High School	
School Address	
School City	
School State (format: NY, TX, NJ, etc.)	
School Zip Code	
School Country	

What is the highest level mathematics course offered by your high school?

○ Algebra

○ Pre-Calculus

○ AP Calculus AB

○ AP Calculus BC

○ IB Calculus, write-in highest course offered: [   ]

Math Courses (High School and College Level)

Please select all the math courses **you have taken or are currently taking.**

☐ Algebra I   ☐ AP Calculus BC

☐ Algebra II   ☐ Statistics

☐ Geometry   ☐ AP Statistics

☐ Pre-Calculus   ☐ Trigonometry

☐ Calculus   ☐ IB Math: Analysis & Approaches SL

☐ Sequential Math I   ☐ IB Math: Analysis & Approaches HL

☐ Sequential Math II   ☐ IB Math: Applications & Interpretations SL

☐ Sequential Math III   ☐ IB Math: Applications & Interpretations HL

☐ AP Calculus AB   ☐ Other
                                           [   ]

Science Courses (High School and College Level)

Please select all the math courses **you have taken or are currently taking.**

☐ Earth Science   ☐ Environmental Science

☐ Life Science   ☐ AP Environmental Science

☐ Biology   ☐ Integrated Science I

☐ AP Biology   ☐ Integrated Science II

☐ Chemistry   ☐ Computer Science

☐ AP Chemistry   ☐ AP Computer Science Principles

☐ Physics   ☐ AP Computer Science A

☐ AP Physics 1   ☐ Robotics

☐ AP Physics 2   ☐ Mechanics

☐ AP Physics C   ☐ Other
                                           [   ]

Essay

Application Essay

Please respond to each of the following prompts. Each response should be no more than 250 words.

1. How has your personal journey shaped your interest in STEM/Engineering? (max 250 words)

2. What are your goals for the future with respect to STEM/Engineering, and how will participating in the Cornell Engineering High School Outreach Program support you in achieving those goals? (max 250 words)

3. Highlight one of your unique lived experiences and how it will contribute to our diverse scholarly community. Some topics to consider:
- having experienced educational, socio-cultural, economic, personal, and/or identity-related barriers to your academic progress.
- having experienced situations or conditions that impacted your advancement or ability to advance in a STEM field.
- having demonstrated a commitment to addressing the barriers that prevent participation of historically underrepresented groups in STEM.
- having demonstrated leadership potential to address issues of underrepresentation in STEM.
(max 250 words)

Affiliations

Are you involved with any of the following programs or organizations? Select all that apply.

- ☐ AISES
- ☐ NSBE Jr
- ☐ SHPE Jr
- ☐ SWENext
- ☐ NACME

Are you a current student of any of the schools below? Select any that apply.

- ☐ Albany High School (Albany, NY)
- ☐ Charter School for Educational Excellence (Yonkers, NY)
- ☐ Baltimore Polytechnic Institute (Baltimore, MD)
- ☐ McKinley Technology HS (Washington, DC)
- ☐ Barack Obama School for Social Justice (Yonkers, NY)
- ☐ Medgar Evers College Preparatory School (Brooklyn, NY)

☐ Bloomfield High School (Bloomfield, NJ)   ☐ Science Park High School (Newark, NJ)

☐ Boston Prep (Boston, MA)   ☐ South Texas ISD Science Academy (Mercedes, TX)

☐ Carver Engineering and Science HS (Philadelphia, PA)   ☐ Urban Assembly Charter School for Computer Science (New York, NY)

☐ Charles H. Flowers HS (Springfield, MD)

Are you affiliated with any of the following Community-Based Organizations (CBOs)? Select any that apply.

☐ AIM (Atlanta, GA)

☐ Goddard Riverside

☐ Ron Brown Scholars

☐ SEO Scholars

☐ STEER for Student Athletes

☐ The Eagle Academy Foundation

☐ The Heights Philadelphia

☐ Thrive Scholars

Honors & Summer Programs

Scholastic Distinctions or Honors:

Briefly list any scholastic distinctions or honors you have earned since 9th grade.
If none, please write N/A.

Enrichment or Summer Academic Programs:

Please list or describe, any enrichment or summer academic programs you have been involved with

since 9th grade.
 If none, please write N/A.

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Activities & Extra Curriculars

9th Grade Activities:

List all 9th grade activities, positions held, and/or honors won.
If none, write N/A.

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10th Grade Activities:

List all 10th grade activities, positions held, and/or honors won.
If none, write N/A.

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11th Grade Activities:

List all 11th grade activities, positions held, and/or honors won.
If none, write N/A.

[ ]

Parent/Guardian 1 Information

Parents' Marital Status (relative to each other):

Never Married	Married	Widowed	Separated	Divorced	Not Applicable
○	○	○	○	○	○

Parent/Guardian 1:

○ Mother
○ Father
○ Legal Guardian

Parent/Guardian 1- Information:

Parent 1- First & Last Name

Parent 1 - Email:

Parent 1 - Cell Phone (000-000-0000):

Parent 1 - Home Phone (000-000-0000):

Is your parent/guardian's address the same or different than yours?

○ Same Address
○ Different Address

Parent/Guardian 1- Home Address:
 (If different from yours)

Address

City

State (format: NY, TX, NJ, etc.)

Zip Code

Country

Parent/Guardian 1-Occupation:

Job Title

Name of Employer

Parent/Guardian 1-Highest Education Level:

[dropdown ▾]

Parent/Guardian 1 -College Degree Major/Field and Year Degree Earned:

Major/Degree Field

Year College Degree Earned

Parent/Guardian 1-Graduate School Field, Type, and Year Earned:

Graduate Degree Field

Graduate Degree Type

Graduate Degree Year Earned

Parent/Guardian 2 Information

Parent/Guardian 2:

○ Mother

○ Father

○ Legal Guardian

○ Not applicable to me

Parent/Guardian 2- Information:

Parent 2- First & Last Name

Parent 2 - Email:

Parent 2 - Cell Phone (000-000-0000):

Parent 2 - Home Phone (000-000-0000):

Is your parent/guardian's address the same or different than yours?

○ Same Address

○ Different Address

Parent/Guardian 2- Home Address:
 (If different from yours)

Address

City

State (format: NY, TX, NJ, etc.)

Zip Code

Country

Parent/Guardian 2-Occupation:

Job Title

Name of Employer

Parent/Guardian 2-Highest Education Level:

[dropdown ⌄]

Parent/Guardian 2 -College Degree Major/Field and Year Degree Earned:

Major/Field Degree

Year College Degree Earned

Parent/Guardian 2- Graduate School Degree Field, Type, and Year Earned:

Graduate Degree Field

Graduate Degree Type

Graduate Degree Year Earned

Household Information

How many members, including yourself, are in your household?

Number in Household

Do you qualify for free or reduced lunch?

○ Yes
○ No

Is your household income under $60,000 per year?

○ Yes
○ No

Legacy

Do you have a family member(s) who is/are a CURIE or CATALYST Academy alumnus?

○ Yes
○ No

If yes, please provide relationship(s) to you, name(s), academy attended, and high school graduation year(s).

> [   ]

Do you have a sibling(s), parent(s), and/or family member(s) who is/are either a Cornell alumnus or current student?

○ Yes

○ No

If yes, please provide relationship(s) to you, name(s) and graduation year(s).

> [   ]

Marking

How did you hear about CURIE and/or CATALYST Academy?

Please check all that apply.

☐ Brochure, Poster or Flyer   ☐ Cornell Admissions Counselor

☐ Teacher   ☐ Cornell DPE staff member

☐ College or Guidance Counselor   ☐ Academy alumna/alumnus

☐ Publication   ☐ Cornell alumna/alumnus

☐ Internet Search (by student or parent)   ☐ Other, please specify
                                             [   ]

If Internet, please provide the name or description of the website.

> [   ]

If publication, please provide the name or description of the publication.

> [   ]

If Cornell alumna/alumnus, please list name and graduation year of alumna/alumnus.

[   ]

If Academy alumna/alumnus, please list name and program year of alumna/alumnus.

[   ]

Closing

I certify that all information submitted for my application package is my own work, factually true and honestly presented. I understand that I may be subject to an admission revocation if any of this certified information is found to be false.

Type your full name below

[   ]

Date Signed (mm/dd/yyyy):

[   ]

NOTICE:

- Once you submit the application form, you will be unable to modify or input additional data.
- An auto-generated confirmation email will be sent to the applicant shortly after submitting this form.
- If you need to make a change OR you do not receive an auto-generated confirmation email to your listed primary or alternate email, please contact our staff at dpeng@cornell.edu with subject *HS Outreach Program Application Question.*

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