

Engineering for diversity and societal impact through sustained engagement and programming



WYSE

ChiS&E

Family-centric mentorship and academic support for 7th-12th grade

Summer camps

Immersive ENGR explorations in summer (7th-12th; comm. coll.)

CISTEME365

All year ENGR via school partnership (9th-12th)

GEnYuS

Research with UIUC mentors (11th-12th)

ARISE

Mentorship, academic preparation, financial aid, and cohort-building for low-income IL students

MEP and WIE

Mentors, support, activities for minorities / women

NSBE, SWE, SHPE, oSTEM, SACNAS, EA, GEDI

Student-run support groups build community, create safe spaces, do service

direct admit

Enroll freshman

Pathways, GearUP

Community college transfers

GFX

1st year

Social Justice Courses

Service learning: Chicago / local schools

ISUR and AWARE

Research, entrepreneurship for minorities / women

CARE, ECS, IPENG

Peer tutoring, internships / co-ops, study abroad

City Scholars

UIUC students do online and in-person classes in Chicago while interning in industry

MERGE, SURGE

Campus visit and financial aid for students from under-represented groups

iCAN

Bridge for post-BS students outside CS to enter MS in CS

MAVIS

1st year PhD cohort & train future faculty

IDEA Institute

Conduct research on diversity initiatives and policies (faculty, staff, students, K-12, and the public)

AE3

Improve instruction through innovations in pedagogy and use of technology

EFLF

Train faculty leaders

Legend

Solid boxes: diversity focused
Dashed boxes: diversity aware
Red: mentoring, support, cohorts
Yellow: courses and training
Brown: research
Blue: enrollment
Purple: co-curricular programs
Gray: non-degree education

K-20 engineering education and social justice projects

Grainger Engineering develops curriculum (e.g., healthcare, AI, cloud, power, quantum) for learners at all levels

Each box has one or more clickable links

Middle school High school

Undergraduate

Graduate

Professional