

# In-Demand Skills

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## Skills Recommended for Engineering Science Students

### Technical Skills

- ✓ Learn or improve CAD software (AutoCAD, SolidWorks, Fusion 360)
- ✓ Develop basic programming skills (Python or MATLAB)
- ✓ Practice data analysis using Excel or engineering software
- ✓ Gain exposure to industry tools (Arduino, simulation software)
- ✓ Improve technical writing and documentation skills

### Professional Skills

- ✓ Develop leadership experience (STEM club, tutoring, group projects)
- ✓ Build teamwork and project management skills
- ✓ Participate in internships, research, or hands-on projects
- ✓ Practice professional communication and presentations

### Career Development

- ✓ Begin creating a portfolio of projects (designs, code, lab work)
- ✓ Update LinkedIn with new technical and leadership experiences
- ✓ Seek mentorship from professors or industry professionals
- ✓ Apply for research opportunities

<https://www.kbcc.cuny.edu/crsp/index.html>

The CUNY Research Scholars Program is a year-long program where students work with faculty mentors on hands-on research projects across multiple semesters.

Participants build skills through workshops, complete significant research hours, and develop projects in fields like STEM, social sciences, and business. By the end, students present their work while gaining academic experience and course credit.