

Lower Columbia College

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lowercolumbia.edu/engineering



Prepare for a career in engineering

ENGINEERING PATHWAYS

LCC is an AA/EEO employer - lowercolumbia.edu/aa-eo

LCC Clery Annual Security and Fire Safety Report available at lowercolumbia.edu/CleryASFR

OVERVIEW

Engineers imagine what's possible and make it real. From building efficient machines and powering the future to designing sustainable infrastructure and creating life-saving innovations, this field combines creativity with hands-on problem-solving. With strong job growth and high earning potential both locally and nationally, engineering is a powerful path for those ready to shape the world of tomorrow.



SKILLS & ABILITIES

No matter which area of engineering you choose, you'll gain valuable skills that employers look for:

- Foundations of Math, Science, & Programming
- Critical Thinking & Problem-Solving
- Technical Writing & Communication
- Teamwork & Collaboration
- Design Thinking

DEGREE OPTIONS

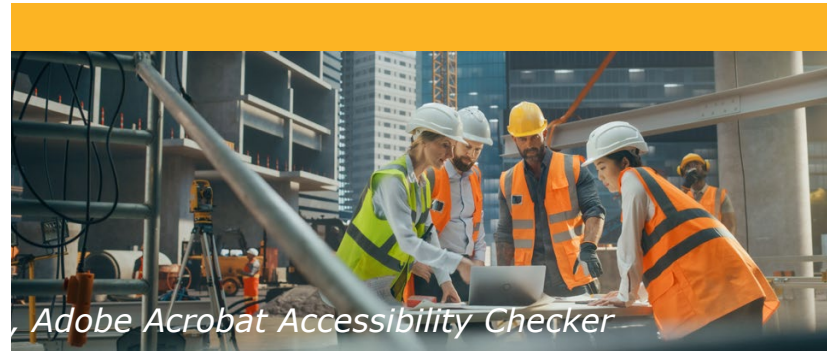
Transfer pathways are available for: Civil or Mechanical Engineering, Chemical or Biochemical Engineering, and Computer or Electrical Engineering. Direct transfer degree options specifically prepare students for Washington State University Vancouver's Engineering programs. Calculus-ready students can complete a Bachelors degree in 4 years through this partnership.



CAREER PATHS

Some of the most popular careers in Engineering include:

- Mechanical – Designs engines, machines, and tools.
- Civil – Plans roads, bridges, dams, and buildings.
- Electrical – Works on circuits, power systems, and electricity.
- Computer – Builds hardware and connects it with software.
- Chemical – Develops ways to produce chemicals, fuels, and drugs.
- Environmental – Tackles pollution, waste, and sustainability.
- Biomedical – Creates medical devices and technology.
- Industrial – Optimizes systems in manufacturing and operations.



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