Engineering

The JB Speed School of Engineering gives students the advantage of a small technical institute with the resources of a major metropolitan university. An undergraduate enrollment of 1,400 and an average class size of 29 students enables Speed faculty to individualize instruction, to challenge students and to ensure their academic success.

Degree Programs

The first school in the nation to be accredited at both the undergraduate and graduate levels by the Engineering Accreditation Commission of ABET, Speed School has been a leader in engineering education for over 90 years.

Bachelor of Science
- Bioengineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering and Computer Sciences
- Electrical Engineering
- Industrial Engineering
- Mechanical Engineering

Master of Engineering degrees are available in all disciplines. The program can be completed in an additional year following four years of Bachelor of Science work. The Master of Engineering degree must be in the same discipline as the bachelor's degree.

Master of Science and Doctoral (PhD) programs are available in all disciplines except for bioengineering.

Cooperative Education

Through Speed School's required Cooperative Education Program, engineering students combine classroom knowledge with technical work experience in business. They work full time under an engineering supervisor for three alternating semesters - the equivalent of one year. Students discover the demands of the engineering profession, as well as their interest and abilities, early in their academic program. Also, their co-op earnings can help defray college expenses. Almost one-third of Speed graduates accept employment offers from their co-op employers.

Research

A broad range of topics and ideas are being researched by faculty, staff, and students at the Speed School. Students are encouraged to participate in research, as Speed School offers some of the most sophisticated equipment available for students wishing to gain experience in nanotechnology, biotechnology, robotics, and more.

Students have worked in the Computer Vision and Image Processing Lab to assist surgeons by making 3D models of the brain, heart, and lungs. They are also involved at the Conn Center for Renewable Energy and Environmental Stewardship where research is being conducted on solar, wind, and geothermal power, as well as biofuels. Many students also conduct their own research projects with help from faculty within their degree discipline.

For More Information
Call: 502.852.6281
Visit: louisville.edu/speed
**Engineering Living Learning Community**

Students who participate in the Engineering Living Learning Community (LLC) all live in Community Park, a dorm in close proximity to the Speed School of Engineering. Many students find the LLC convenient for organizing study groups, and additional programming and services (Getting the Most Out of your Tablet PC, Preparing for Co-op, peer mentoring, etc.) are presented within the hall. Students must apply for the LLC and only a limited number of spots are available. For more information visit louisville.edu/housing.

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**Duthie Center for Engineering**

The Duthie Center for Engineering, the university’s first LEED-certified renovation project houses the Speed School’s career development center, the Hagerty student commons area with food court, freshman engineering teaching laboratories and classrooms. It also houses offices and laboratories for the computer engineering and computer science department.

The Speed School of Engineering encourages students to take part in extracurricular activity at the university. The student government, recognized student organizations (RSO’s) and a professional honor society provide rich and varied opportunities to the student.

For a complete list of Speed School organizations and groups, visit louisville.edu/speed/life/organizations.

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**The Institute for Product Realization (IPR)**

The University of Louisville is developing a Co-Creation and Microfactory facility that will support companies who need help in developing and manufacturing new products using innovative techniques that have been demonstrated at ventures like FirstBuild (GE). Rapid development of new ideas and designs using a “virtual” community allows for rapid generation and feedback on ideas, designs and process. The IPR has three basic units: Manufacturing Pilot & Launch Pad, The Microfactory and Co-creation unit, and the Technical Research Unit. All three will help manufacturers improve overall competitiveness by compressing development time for bringing new products to market and lowering overall costs.