

Research & Internships

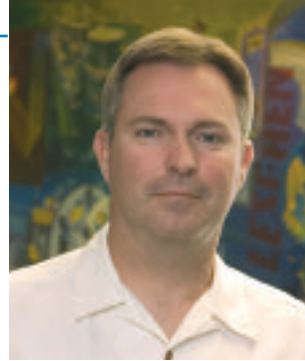
Nearly 70% of students in the engineering technology program are involved in practical learning experiences on- and off-campus through internships, research projects, and other hands-on activities.

Part-time jobs and internships with engineering, electronics, manufacturing, and construction companies provide excellent opportunities for our students to gain valuable field experience.

Work on independent and team research projects also prove valuable for preparing our students for their careers. Students are encouraged to work one-on-one with faculty members in their research.

Students also have the opportunity to enhance their education by attending professional conferences in their field including the American Society of Civil Engineers, Concrete Reinforcing Steel Institute, Society of Manufacturing Engineers, Institute of Electrical and Electronics Engineers, the Instrumentation, Systems, and

Automation Society, Associated General Contractors, and the American Concrete Institute. Several of our students have received national recognition from external technical societies through undergraduate awards and have been selected to make presentations at state and national conferences.



Alumni Views

"The degree I received from Western provided me with a significant level of technical expertise which has provided a distinct advantage over the years in my ability to solve tough problems, improve

processes, and upgrade the technology base of our production facilities. The Western experience and the Engineering Technology Department have been invaluable to me."

*Eric V. Bruder, '93, Senior Vice President,
Manufacturing Operations, Wire Rope Corporation of America, Inc.*



"The Engineering Department was very instrumental in preparing me for my career. The instructors have done an excellent job in developing the right balance of educational and personal fulfillment. That has helped me maintain a personal touch with my employees."

*Todd Maxwell, '85
President, Re-View*

For more information

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Western is an equal opportunity institution.

Engineering Technology

Missouri Western State University





Engineering Technology

Department

“In a competitive global economy, Engineering Technology (ET) graduates are at the forefront in making the difference in the fields of construction, electronics, manufacturing, computer electronics, and other related technologies. ET graduates are the true problem-solvers of today, and caretakers of the technologies of the future.”

*Dr. Virendra K. Varma,
Ph.D., P.E., F.ASCE
Chairman and Professor*

Are you ready to earn one of the **highest starting salaries in the area?** Are you intrigued with technology and curious about how things work? Graduates of Western’s engineering technology program are one of the highest paid graduates on campus, and many seniors are offered jobs even before graduating!

The Engineering Technology Department offers the following programs:

Bachelor of Science or Associate of Science Degrees in

- Construction Engineering Technology
- Electronics Engineering Technology
- Electronics and Computer Engineering Technology
- Manufacturing Engineering Technology

With **state-of-the-art testing and troubleshooting equipment** in all the engineering technology programs, students receive excellent hands-on laboratory experiences. Students are also encouraged to take advantage of opportunities to participate in **internships and practicums** offered by several local and regional industries.

Careers

Armed with a Western Engineering Technology degree, job prospects are excellent. Our graduates enjoy careers in a wide variety of areas.

Our **construction engineering technology** graduates look forward to positions as field engineers, job estimators, inspectors, project managers, and superintendents in the construction industry. Other applied engineering positions are available in commercial and municipal engineering projects, including preparation of plans and specifications of facilities, highway construction, surveying, technical sales of construction equipment, quality control, construction management, architectural support and engineering liaison.

With an **electronics engineering technology** degree, graduates can expect applied engineering positions in such areas as microprocessor applications, product development, control systems design, medical electronics, production, installation of electronic equipment, power systems, automation, communications, and computer hardware design. Positions in technical sales and with telephone companies are also available for electronics graduates.

Points of Pride

- **The Department of Engineering Technology at Western is the only one at a public state-supported institution in Missouri that has four-year accredited programs (TAC of ABET – Technology Accreditation Commission of the Accreditation Board for Engineering and Technology) in construction and electronics engineering technologies. It is also the first one in the state to have secured TAC of ABET accreditation for the four-year programs in construction and electronics engineering technologies.**
- **Graduates of Western’s Engineering Technology programs are one of the highest-paid graduates on campus.**
- **The Department of Engineering Technology has a 90 to 100% placement rate for graduates.**



With a degree in **electronics and computer engineering technology**, graduates enjoy careers in electronics and computer and manufacturing industries, in addition to governmental and defense industries such as field engineers, computer hardware and software engineers, and network administrators. Graduates of this program are also trained in programmable logic controllers and can choose to work in manufacturing industries.

Many graduates of the **manufacturing engineering technology** program find positions in the manufacturing industry such as production supervisors, plant engineers, quality assurance inspectors, assembly supervisors, and sales engineers. Manufacturing careers are intellectually challenging and provide excellent monetary rewards.

The **Bachelor of Science in Technology, “Two Plus Two”** is designed for the student who has completed a career-oriented associate degree program and desires the bachelor’s degree with an additional concentration in an approved area of study.

Students who decide to continue their studies in graduate school are well prepared. Our engineering technology graduates have continued their studies at nationally recognized schools in the areas of construction management, engineering management, and business administration.