

PRE-ENGINEERING



LOOKING FOR A CAREER THAT IS EVER-CHANGING AND CONTAINS EXCITING CHALLENGES?

Associate of Science

Pre-Engineering & Pre-Engineering: Alternative Energy Option

Crowder College offers this two-year degree that is designed to transfer to a four-year university. This program is intended to guide students in the right direction that are wanting to enter into traditional engineering fields such as Mechanical, Electrical, Civil, etc.

WHY CROWDER?

- The Associate in Science (A.S.) Pre-Engineering degree is a cooperative program between Crowder College and the School of Engineering at the Missouri University of Science and Technology. In (Similar cooperative programs have been developed with the University of Missouri - Columbia and the University of Arkansas.)
- Advisement and counseling program for pre-engineering majors. Enrolled Crowder students can be simultaneously enrolled in Missouri S&T's Transfer Assistance Program. This allows for a smoother transition between the two institutions. Students are allowed to participate in special pre-registration programs on the Missouri S&T campus.
- Crowder College offers two degree programs in pre-engineering:
 - The Pre-Engineering degree is designed for those students who plan to enter into traditional engineering fields such as Mechanical, Electrical, Civil, etc.
 - The Alternative Energy Option degree is designed for those students who wish to pursue a career in the alternative energies.

CROWDER COLLEGE

MATH & PHYSICAL SCIENCE
DIVISION

601 LACLEDE AVE, NEOSHO, MO 64850

PRE-ENGINEERING

WHAT WOULD MY JOB BE LIKE?

- Reviewing or approving designs, calculations, or cost estimates
- Reading and interpreting blueprints, technical drawings, schematics, or computer-generated reports
- Formulating mathematical models or other methods of computer analysis to develop, evaluate, or modify design, according to customer engineering requirements
- Presenting and explaining proposals, reports, or findings to clients
- Operating computer-assisted engineering or design software

POTENTIAL CAREERS

- Civil Engineers
- Mechanical Engineers
- Environmental Engineers
- Biomedical Engineers
- Architects

TOP INDUSTRIES

- Agriculture and Farming
- Business and Finance
- Health Care
- Manufacturing
- Sustainability and Environmental

ADDITIONAL INFORMATION

- This program is concentrated in math and science.
- The Associate of Science in Pre-Engineering may be started at one of the regional sites but all majors courses are only offered at the Neosho campus.
- Engineering isn't just a single program focused on a single industry.
- There are specializations you can pursue depending on where your passion lies.

FOR MORE INFORMATION

417.455.5508 | CheryllIngram@Crowder.edu

CROWDER.EDU

CROWDER COLLEGE
—EST. 1963—