Program Description
The Engineering CAD Technician program prepares students to translate the ideas, sketches, and specifications of engineers and designers into workable plans which are used in product fabrication. Students learn to use engineering technology in determining exact specifications for new product design or modification, or redesign of present products. The course begins with instruction in basic drafting skills and advances to more complex technological areas. Major emphasis will be on the application and use of computer aided design.

This 24-credit Certificate seamlessly transfers to the Engineering CAD Technology Diploma (60 credits) and the AAS (67 credits).

Program Outcomes
- Design products for manufacture using 2D and 3D standards
- Apply orthographic CAD design procedures to working drawings
- Perform advanced CAD software applications
- Create a capstone design project incorporating advanced CAD and industrial/mechanical applications

Pre-program Requirements
Successful entry into this program requires a specific level of skill in the areas of English, mathematics, and reading. Program entry will depend, in part, on meeting the prerequisites listed below:

English/Reading:
- Eligible for ENGL 1106 - College Composition I, or
- Completion of ENGL/READ 0950/0955 (or equivalent or higher). ENGL/READ 0950/0955 may be taken concurrently with Semester I coursework.

Mathematics:
- A score of 250 or higher on the Arithmetic portion of the Accuplacer.

There are other ways to qualify. Visit Course Placement (lsc.edu/course-placement) to find out more.
Engineering CAD Technician Certificate - 24 credits
Program Area: Engineering CAD Technology (Fall 2024)

***REMEMBER TO REGISTER EARLY***

For interpretation of test results and selection of appropriate coursework; or general information about the program, admissions, financial aid, and getting started at LSC, contact the professional advising team (advising@lsc.edu) at 218-733-7601

For more information about the Engineering CAD Technician Certificate including course descriptions, course prerequisites, the program report, and potential career opportunities, see the program website (https://degrees.lsc.edu/cad-software/)

or

Contact Faculty Advisor,
Rick Steel (richard.steel@lsc.edu) at 218-733-6931

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