Engineering Design
Associate in Science

DIVISION OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

Designers translate the ideas, sketches, and specifications of engineers into workable plans and models. Students develop skills and techniques by using the most modern equipment and software, such as: AutoCAD®, Pro/ENGINEER®, SolidWorks® and MS Project®. Instruction is given in mechanical, electrical, electro-mechanical, architectural, and multimedia design. Students will use the acquired computer and manual drafting skills from various courses to complete projects in the areas of their interest. Graduates may seek positions as detailers/designers/schedulers.

Upon completion, the Associate in Science Degree in Engineering Design is awarded.

PROGRAM FOOTNOTES

Program Electives: IN 102 Arch Drawing and Interior Design,
MN 241 Architectural Design, MN 251 Electro-Mechanical Design,
MN 271 Project Design, MN 272 Designing Plastic Parts, SB 101 Intro to Mass Building Codes, BI, CS (Excluding CS 100), CH, EL, EE, EV, MA, MN, or PY Elective

Humanities Electives: Art, Communications, Film, Foreign Language, Humanities, Literature, Oral Communication, Philosophy, Photography, Sign Language, Theater Arts

Social Science Electives: Anthropology, Economics, Geography, Government, History, Law & Society, Psychology, Sociology

This program qualifies for MassTransfer with select Massachusetts state college and universities.