



Engineering Technology and Transfer

The **Engineering Technology and Transfer** programs at Middlesex Community College offer a clear pathway so you can meet your educational and career goals. There are multiple entrance, exit and continuation points along this pathway. Each program offers courses that prepare you for the next level of study, as well as for employment opportunities. Your job options grow with completion of each extra step, as does earning potential! **Program Outcome skill competencies** can be found on the individual program pages of the MCC Academic Catalog at www.middlesex.mass.edu/catalog.

ENGINEERING TECHNOLOGY: PRECISION MACHINING CERTIFICATE

Competencies: Prepares students for employment in a variety of entry-level advanced manufacturing machining positions.

Learn more about the competencies at www.middlesex.mass.edu/catalog

JOB OPTIONS

- CNC Machine Programmer
- CNC Tool Operator
- Quality Assurance/Control Inspector
- Manufacturing Production Technician

SALARY RANGE

\$38,565-\$48,204
(\$18.54 - \$23.18 / hr)



ENGINEERING TECHNOLOGY: COMPUTER AIDED DESIGN CERTIFICATE

Competencies: Prepares students for employment in a variety of architectural, mechanical and CAD drafting and designer positions.

Learn more about the competencies at www.middlesex.mass.edu/catalog

JOB OPTIONS

- Architectural Drafter
- Civil CAD Drafter
- Millwork Drafter
- Staff Structural Detailer
- Electrical Drafter

SALARY RANGE

\$30,540-\$38,180
(\$14.68 - \$18.36 / hr)



ENGINEERING TECHNOLOGY: COMPUTER AIDED DESIGN ASSOCIATE DEGREE

Competencies: Prepares students for careers with emphasis on Mechanical Computer Aided Design (CAD) Drafting and Design, basic Electro/Mechanical and Printed Circuit Board layout and entry level Architectural CAD.

Learn more about the competencies at www.middlesex.mass.edu/catalog

JOB OPTIONS

- Architectural and Civil Drafter
- Electrical and Electronics Drafter
- Mechanical Drafting Technician

SALARY RANGE

\$37,811-\$43,651
(\$18.18 - \$21.00 / hr)





ENGINEERING SCIENCE TRANSFER: MECHANICAL ENGINEERING A.S.

Competencies: Prepares students for transfer to an engineering bachelor degree program and employment in a variety of technical positions.

Learn more about the competencies at www.middlesex.mass.edu/catalog

JOB OPTIONS

- Mechanical Technologist
- Mechanical Engineering Technician
- Electrometrical Engineering Technician
- Industrial Engineering Technician
- Robotics Technician

SALARY RANGE

\$39,985-\$40,985
(\$19.22 - \$19.70/hr)



ENGINEERING SCIENCE TRANSFER: CIVIL/ENVIRONMENTAL ENGINEERING A.S.

Competencies: Prepares students for transfer to an engineering bachelor degree program and employment in a variety of positions.

Learn more about the competencies at www.middlesex.mass.edu/catalog

JOB OPTIONS

- Civil Engineering Technician
- Surveying Technician
- Construction and Building Inspector

SALARY RANGE

\$41,130-\$42,360
(\$19.77 - \$20.37 / hr)



CAREER GROWTH

Job opportunities for those with a Bachelor's degree, depending upon the major, include: Mechanical Engineer, Materials Engineer, Industrial/Manufacturing Engineer, Civil Engineer, Construction Engineer, Transportation Engineer, City /Town Engineer.



Learn more about Advanced Manufacturing, CAD and Engineering jobs, salaries, required education, and employment outlook by visiting <http://www.bls.gov/ooh/> or http://lmi2.detma.org/lmi/lmi_oes_a.asp#3.



Average **starting salary** for students earning a **Bachelor's degree** is **\$57,830-\$68,000 ***

*Depending on the major

This Career Pathway Map was funded, in part, by a \$20 million grant awarded by the U.S. Department of Labor's Employment and Training Administration, Grant # TC-26450-14-60-A-25.

To learn more, call us at **1-800-818-3434** or visit www.middlesex.mass.edu