MECHANICAL TECHNOLOGY (mTECH) CERTIFICATE/DEGREE PROGRAM

WHERE CAN I GET MORE INFORMATION?

For more information contact the MECHANICAL TECHNOLOGY (mTECH) DEPARTMENT

Contact Daniel Abbott, Program Lead at dabbott@dvc.edu or call 925-969-2373 or visit www.dvc.edu/programs

www.dvc.edu
ADMISSIONS OFFICE: 925-685-1310
COUNSELING OFFICE: 925-969-2140

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When are classes offered?
Courses are taught on a rotating schedule and may be offered either during the day or in the evening. Prerequisites and general education courses may be taken in the evening or at an alternative location. Some of the required courses for this program are offered only at Solano Community College or at Laney College.

How long will it take to earn a certificate?
Students may complete the courses required for a certificate of achievement in as little as three semesters. Typically, it will take students an extra semester to complete the additional general education courses required to complete the associate degree option.

How do I apply for the program?
Students may apply to Diablo Valley College in person or online. An academic advisor can help students develop an educational plan to complete all the courses needed to reach their academic goal.

YOUR FUTURE BEGINS HERE!

MISSION STATEMENT Diablo Valley College is passionately committed to student learning through the intellectual, scientific, artistic, psychological, and ethical development of its diverse student body. Diablo Valley College prepares students for transfer to four-year universities; provides career and technical education; supports the economic development of the region; offers pre-collegiate programs; and promotes personal growth and lifelong learning.

PERKINS STATEMENT This project was funded fully or in part by Carl D. Perkins Career Technical Education Act of 2006, awarded to Diablo Valley College and administered by the California Community Colleges Chancellor’s Office. It is the policy of Diablo Valley College not to discriminate against any person on the basis of race, color, national origin, sex or disability in all of its educational and employment programs and activities.

NON-DISCRIMINATION STATEMENT The district shall not discriminate based on ethnic group identification, race, color, age, citizenship, ancestry, religion, marital status, national origin, sex, sexual orientation, mental or physical disability, medical condition, veteran status, parental status, or because a student is perceived to have one or more of these characteristics.
What is the mechanical technology program?
Maintenance technicians work in industries such as refineries, chemical plants, water utilities, steel manufacturing, and other large manufacturing operations. They use knowledge and hands-on skills to machine metal parts, repair pumps and other rotating equipment, align shafts, repair valves, and complete other troubleshooting tasks and make repairs as assigned.

At DVC students will gain an in-depth understanding of machine tooling on lathes and milling machines, pump seal replacement, valve maintenance, shaft alignment, and other typical industrial maintenance activities. Students learn:

- predictive and preventive maintenance
- use of a metal lathe
- use of a metal vertical mill
- use of a surface grinder
- safe use of hand tools
- blueprint and technical drawing reading
- simple rigging of different shaped loads
- principles of gear and belt drive systems
- basic electricity
- shaft alignment
- pump seal replacement
- valve maintenance
- hydraulics and pneumatics

Why study to become a mechanical technician?
Local industry is prepared to hire women and men with precision maintenance skills for high-tech, high-wage careers. Those who work in the manufacturing industry as maintenance technicians enjoy a stable, interesting, and well-paying career combining field, shop, and office work. Maintenance technicians take pride in their work which keeps manufacturing industries operating safely and efficiently. Students who love to work outdoors with their hands and with a team of highly-motivated people may find that the program is right for them.

What can I do with a mechanical technology certificate or degree?
While most mechanical technology graduates find employment in the local oil refineries or chemical plants, opportunities for employment also exist in machine shops, water and waste water treatment plants, and other fields that require precision maintenance work. Graduates of the program will find that their skills are in demand in other parts of the country as well as in the San Francisco Bay Area.

According to job projections, the need for mechanical technicians will be steady for the foreseeable future. Average salary in the Bay Area starts at more than $30 per hour for an entry level maintenance technician position. In most years, there are more jobs available than graduates from this program.

"Those who work in the manufacturing industry as maintenance technicians enjoy a stable, interesting, and well-paying career.”  
Daniel Abbott, Program Lead