

For Part-time Students

Middlesex Community College has a manufacturing technology program that is ideal for part time students. They have the opportunity to earn either a certificate or Associate's degree by taking evening and Saturday courses. The goals of this program are to enhance the skills of people currently in the workplace and to improve the employment prospects of the underemployed. We recognize the importance of preparing people for rewarding careers whose schedules do not permit enrollment as full time-students.

This program is ideal for working parents. The certificate program requires two years of part-time study and prepares people for careers as CNC operators, inspectors, and tool and die makers*. The certificate program consists of 29 college credits that include courses in:



- Blueprint reading (including Geometric Dimensioning and Tolerancing),
- Basic and advanced machining,
- Basic and advanced CNC (Computer Numerical Control) programming and machining,
- Lean manufacturing principles,
- Quality control with an emphasis on Statistical Process Control,
- CAD – Computer Aided Drafting,
- Shop math, and
- Materials Science

This certificate program is application based meaning that the lessons are directly related to employment. Learning is accomplished through a “hands-on” approach. Students apply the theory they learn in the classroom to the computer lab and classroom. This program engages students and gets them involved by doing as opposed to listening to lecture based courses, reading large volumes of material, and memorizing information to prepare for exam day. This program is ideal for students where English is not their primary language or for students that weren't motivated to learn in a traditional high school environment. For students that can excel in a traditional college environment, they have the option of pursuing the associate's degree program on a part-time basis while they work in the manufacturing field and can even transfer their credits to a four year university. The greatest asset of this program is its flexibility because it can meet the needs of a diverse student population. All that are required for our students is the ability to meet college admission requirements and a sincere desire to learn.

If this program seems like something you would be interested in, please contact me. My contact information is as follows:

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Manufacturing Program Coordinator

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* apprenticeship required