CNC MACHINE OPERATOR CERTIFICATE IN APPLIED SCIENCE

Program Description

This program teaches machine controls, setting tools and machine limits and capabilities.

Embedded Certificate

This program contains one or more embedded certificates which will automatically be awarded if the certificate requirements are met unless the student completes and submits the Program of Study Change Form (https://www.gvltec.edu/admissions_aid/student_forms/) requesting to opt out of the embedded certificate.

Mission Statement

The mission of the Machine Tool Technology program is to provide the college's local service area with a pool of skilled entry-level machinists, toolmakers, CNC operators and CNC programmers. The program will graduate students who can enter the job force with little supervision and will be trained on equipment that is current with industry.

Entrance Requirements

High school diploma or GED

Type of Program

Day or evening

Employment Opportunities

Large and small machine shops, manufacturing companies

Visit our web page at https://www.gvltec.edu/cnc/.

Recommended Program Schedule

Listed below is the ideal grouping of courses in order by semester. This plan assumes a full-time schedule. Note, however, that many variables can affect this plan, and not every course is offered every semester. Please see your advisor to map out your own personalized progression toward graduation.

Note: Please contact your advisor for recommended evening schedules.

Preferred Sequence

First Semester		**Hours**
MTT 120	Machine Tool Print Reading	3
MTT 121	Machine Tool Theory I	3
MTT 122	Machine Tool Practice I	4
	Total Semester Hours	**10**
Second Semester		
MTT 141	Metals and Heat Treatment	3
MTT 126	Machine Tool Practice III	4
MTT 241	Jigs and Fixtures I	2
MAT 170	Algebra, Geometry, and Trigonometry I [1]	3
	Total Semester Hours	**12**
Third Semester		
MTT 145	Machining of Metals	3
MTT 211	Die Theory	3
MTT 224	Tool and Diemaking Practice II	4
	Total Semester Hours	**10**
	Total Required Credit Hours	**32**