MCH 103. Intro to Computer Aided Manufacturing Lvl I. 1 Credit.
This is an online course offered through the Immerse 2Learn platform that supports all the hands-on activities offered in the CAS CNC Machine Technology program. Course will be supported by faculty in the CNC program.

MCH 104. Introduction to Computer Aided Manufacturing Level II. 2 Credits. (2 Lec) F
PREREQUISITE: MCH 103. This class is a blended online and lecture to provide an online tutorial for CNC Machining on a Haas GUI interface. This class will serve to reinforce basic machine setup, and programming skills introduced in other classes.

MCH 122. Introduction to CAM (GibbsCAM). 3 Credits. (2 Lec, 1 Lab) F
PREREQUISITE: MCH 120, and MCH 231 or MCH 234. MCH 122, Intro to CAM (GibbsCAM), is designed to give students practical experience in the application of a Computer Aided Machining Program to create production code for CNC Mills and Lathes. The class includes basic CAM drafting practices, Coordinate Systems, Modeling (surface and solid) and tool development.

MCH 160. Machine Shop Level I. 3 Credits. (1 Lec, 2 Lab) F
PREREQUISITE: MCH 160. Machine Shop 1 introduces students to the common shop equipment used in the modern machinery and manufacturing. Through a combination of lectures and practical lab exercises, the student will utilize common and essential machine shop tools and develop safe and correct practices thru proper use. During this class students will apply basic operation of metal lathes, Milling machines, pedestal/bench grinders, saws, and drill press. This course is also an introduction to measurement, materials, job planning, bench work and layout will be presented.

MCH 234. CNC Milling Programmer Level II. 3 Credits. (2 Lec) F
PREREQUISITE: MCH 234. Through practical lab exercises, the student will utilize common and essential machine shop tools and demonstrate safe and correct practices and proper use. During this class students will apply basic operation of metal lathes, milling machines, pedestal/bench grinders, saws, and drill press. This course will also reinforce basic measurement and print reading skills. Gallatin College Workforce Programs.

MCH 291. Special Topics. 3 Credits.
MCH 292. Independent Study. 1-3 Credits. (1-3 Lab) F, S
The MCH 292 Independent Study is a one to three credit course that teaches to the specific goals of the student. This course builds on the MCH foundation to increase skill development in general machining processes and fabrication skills.
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.