



## BLENDDED COURSE INFORMATION

### Fall 2021 Semester

COURSE: MECH 103 B2

INSTRUCTOR: T. Elliott

Machining Basics & CNC

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There are many benefits of **Blended** courses at MCCC:

- Less restrictive scheduling
- Convenience
- Intensive self-study
- Course materials are accessible 24 hours a day 7 days a week

Since **Blended** courses require work on the computer using Brightspace, as well as classroom work, students should possess the following skills to be successful:

- Highly self-motivated
- Have strong computer skills
- Possess good time management skills
- Know how to study independently
- Possess good communication skills

**Blended classes at MCCC** deliver instruction in a web-based format, along with periodic face-to-face classes as established by the instructor.

When taking a **Blended** class students are responsible for:

- A reliable computer with Internet access and Microsoft Word; course specific software will be described below
- Knowing how to email attachments
- Maintaining his or her own computer and Internet connection; technical issues are NOT acceptable excuses for not keeping up with due dates
- Having access to a printer if needed for personal use of online materials

It is the student's responsibility to log into Brightspace on a regular basis. It is essential to log into Brightspace regularly to keep up with communication and assignments.

### Brightspace

**Blended** courses use Brightspace course management system as the means of communication between the students and the instructor, along with periodic face-to-face class meetings as established by the instructor.

It is the student's responsibility to be able to log into Brightspace and maintain his or her computer setup to work properly with Brightspace.

The Brightspace Login can be found on the College's webpage, [www.monroeccc.edu](http://www.monroeccc.edu).

**Brightspace courses are made available to students on the day the course begins.** Please see the Start Date below.

### MCCC Student Email

All students are required to use their MCCC sponsored student email address. Information on the MCCC student email can be found on the Student Support tab on the Brightspace site.

### NEED HELP?

**BRIGHTSPACE HELP DESK:** 734.384.4328  
or [elarning@monroeccc.edu](mailto:elarning@monroeccc.edu)

**COLLEGE EMAIL:** 734-384-4328

**WEBPAL:** 734-384-4333

<p>COURSE DESCRIPTION</p>	<p>This course introduces the student to operation of basic machine tools, care and use of hand tools and common measuring equipment used in the machine shop. Theory and hands on operation of manual mill, lathe, surface grinder, band saws and basic operation of Computer Numerical Controlled (CNC) machines are emphasized in this course. Other topics covered include basic metallurgy of metal cutting and machine tool theory. Appropriate terminology is used, and theory and practice of safe work methods will be emphasized.</p> <p>The complete Outline of Instruction can be found at <a href="http://www.monroecc.edu/outlines/">http://www.monroecc.edu/outlines/</a>.</p>
<p>COURSE BEGINS</p>	<p>Wednesday, August 25, 2021</p>
<p>COURSE ENDS</p>	<p>Monday, December 13, 2021</p>
<p>REGISTRATION PROCESS</p>	<p>Students must register for the course through the College’s regular registration process.</p> <p>If you are a first-time blended student at MCCC you must complete an online orientation course (ONL-001). You will be automatically enrolled into the online orientation course, which will provide you with critical information on the technical, study, reading and writing skills necessary to be a successful blended student. This course will be listed in your MyCourses module in Brightspace and there will be 4 modules to complete. Please note that all four modules will NOT be visible when you first login, but will become visible once you complete the requirements for each module. Please complete <b>FL2021-ONL-001-L1 by August 21, 2021</b>. Failure to complete the online orientation by the above date may result in <u>de-registration from your Fall 2021 blended course</u>.</p>
<p>SCHEDULED MEETINGS</p>	<p>5 pm 7:55 pm / Mondays &amp; Wednesdays – Rooms T-173 T-175</p> <p>A portion of the required coursework will be delivered via online format.</p>
<p>COURSE MATERIALS AND TEXTBOOK INFORMATION</p>	<p>Textbook information can be found on the MCCC Bookstore’s webpage, <a href="http://www.monroecc.edu/bookstore/">http://www.monroecc.edu/bookstore/</a>. Textbook information is posted approximately one month prior to the beginning of the semester. <b>IMPORTANT:</b> Please ensure you are validating the entire course name and number when searching for and selecting books to purchase on the Bookstore website. Required texts for classes can vary depending on instructors or if the classes are being held online.</p> <p>Please contact the MCCC Bookstore for additional information, 734.384.4140.</p>
<p>COURSE EXPECTATIONS</p>	<p>Upon successful completion of this course, students should be able to meet the program outcomes listed below:</p> <ol style="list-style-type: none"> <li>1. Demonstrate and practice shop safety.</li> <li>2. Describe mill, lathe, surface grinder and shop tooling with proper terminology.</li> </ol>

3. Identify common machine tools and their nomenclature
4. Demonstrate knowledge using direct precision measuring devices to accurately measure parts
5. Identify all parts of a detail drawing and print requirements.
6. Identify basic G & M code programming.
7. Identify set up procedures and tooling for CNC machining.
8. Demonstrate proper manual and CNC operation of CNC, Mill, Lathe and surface grinder.

### Browser Requirements:

#### Desktop Support

Browser	Supported Browser Version(s)	Maintenance Browser Version(s)
Microsoft® Edge	Latest	N/A
Mozilla® Firefox®	Latest, ESR	N/A
Google® Chrome™	Latest	N/A
Apple® Safari®	Latest	N/A

For the most current Brightspace operating system and browser requirements, please go to [https://documentation.brightspace.com/EN/brightspace/requirements/all/browser\\_support.htm?Highlight=browser](https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm?Highlight=browser) and access the Desktop support section.

#### Software Requirements

Download/access web-based Microsoft Office applications:

1. Go to [www.monroecc.edu](http://www.monroecc.edu) and click CURRENT STUDENTS
2. Next click on EMAIL from the list of links on the left, it will open another window
3. Click EMAIL LOGIN, then log in with your entire MCCC email address (e.g., [tperson23456@my.monroecc.edu](mailto:tperson23456@my.monroecc.edu)) and your email password, which initially is your seven-digit student ID#.
4. Click on the **9-dot square** in the upper left corner next to the word "Outlook", some Office Suite icons appear
5. Click on the **Office 365 with an arrow** link, more Office Suite icons appear
6. Finally, click on the **Install Office link** and follow the instructions *\*NOTE there are links in the instructions if you have difficulties installing the software. Please use those links to resolve any possible installation issues.*

FYI - You will not be able to download Microsoft Office until the first day of the semester.

BRIGHTSPACE  
SYSTEM  
REQUIREMENTS

	<p><b>Other System Recommendations</b></p> <ul style="list-style-type: none"> <li>• Broadband internet connection</li> <li>• Webcam</li> </ul>
COMPUTER REQUIREMENTS	<p>PC or Mac computer systems with Windows 10 (<u>or Mac equivalent OS</u>) is required.</p> <p><b>Chromebook Use Limitations:</b> Chromebooks cannot be used for courses requiring Microsoft Office applications (e.g., CIS 130, CIS 109, etc.). Additionally, Chromebooks may not work with when taking quizzes requiring <i>Respondus Lockdown browser in Brightspace</i>.</p> <p><b>Mac Computer Use Limitations:</b> The Microsoft Access application does not work on a Mac.</p>
COURSE SPECIFIC SOFTWARE	<p>Student will purchase a 120-day subscription of ToolingU for completing online training modules.</p>
WHERE DO STUDENTS START	<p>Students are required to attend the first day of class. Class expectations will be discussed, and a schedule for lab times will be created.</p>
OTHER INFORMATION	<p>Students are required to have a folder to organize handouts to create a reference book used during the class.</p>
STUDENT LOGIN INFORMATION	<p>To login to <b>Brightspace, E-mail, or WebPal</b>, go to <a href="http://www.monroecc.edu">www.monroecc.edu</a> and click on CURRENT STUDENTS on the menu bar, then click on Brightspace, email, or WebPal from the links that appear on the left side of the screen.</p> <p><b>Brightspace</b> - Login to Brightspace using your unique MCCC Webpal username (i.e., the first part of your MCCC email address) and 7-digit student ID number for your password (or whatever password you use for your MCCC college email account). You should be able to access Brightspace 24 hours after registering for a course. Courses are not available in Brightspace until the first day of the semester.</p> <p><b>E-mail</b> - Your email address is your MyWebPal user name followed by @my.monroecc.edu (i.e. <a href="mailto:jsmith12345@my.monroecc.edu">jsmith12345@my.monroecc.edu</a>). Your password is your seven-digit student ID number (including leading zeros).</p> <p><b>WebPal</b> - You need a WebPAL user ID and a password to access WebPAL. Your WebPAL user ID is usually your first initial and last name (i.e. Mary Smith = msmith). To find your user ID, click on <b>"What's My User ID?"</b> on the WebPAL home page. Your initial password is your six-digit birthdate (i.e. January 1, 1970 = 010170). After logging on the first time, WebPAL will ask you to change your password. If you are a returning student and can't remember your password, click on <b>"What's My Password?"</b> on the WebPAL home page, then choose <b>"Reset my password."</b> If you have an e-mail address on file, WebPAL will send you a new password.</p>
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