[Advanced Manufacturing Partnerships in Education (AMPed NH)](http://ampednh.com/) is a New Hampshire initiative created to educate and train eager, motivated people for high-wage, high-skill jobs in the advanced manufacturing industry. Thanks to the Trade Adjustment Assistance Community College and Career Training Grant (TAACCCT) through the US Department of Labor, the [Community College System of NH (CCSNH)](http://www.ccsnh.edu/about-ccsnh) can further enhance the state’s advanced manufacturing sector by providing necessary degree, certificate and training programs to New Hampshire residents. To learn more about the AMPed NH TAACCCT project, please visit <http://ampednh.com/about>.

AMPed NH is a consortium of the seven New Hampshire community colleges: Great Bay Community College (lead applicant), Lakes Region Community College, Manchester Community College, Nashua Community College, NHTI – Concord’s Community College, River Valley Community College, and White Mountains Community College. To learn more about the CCSNH, please visit <http://www.ccsnh.edu/about-ccsnh>.

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| --- | --- |
| College | Lakes Region Community College |
| Creator | Michael Labrecque |
| Course | LMAN 2100 CNC Machine II |
| Course Description | In this course students will expand on knowledge gained from CNC Machines I as well as be introduced to Computer Aided Manufacturing. (CAM) CNC Machine Topics will include machine speeds and feeds, feed rate, and cycle time optimization. Students will also learn alternative drilling cycles, subprograms, cutter compensation, and scaling/mirroring. CNC Machine safety will be stressed throughout this course. Students will also be introduced to CAD/CAM with topics to include part geometry, CAM-Mill processes, contouring, cycle time estimation, tool selection, material selection, cutter compensation, parameter pages, contour applications, roughing, finishing, and tool paths. |
| Program | Advanced Manufacturing AS Degree; Advanced Manufacturing Certificate; Electro-Mechanical Technologies Degree |
| Inventory of Materials in ZIP file: | * Syllabus * Course Description * Course Outlines * Quizzes/Tests |

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