[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 | Manchester Community College (MCC) |
| Creator | See each resource for attribution/copyright owner |
| Course | WELD 223 Statics and Strengths of Materials |
| Course Description | This course will introduce the student to the principles of applied statics and strength of materials as they are related to weldments, weld testing, material testing and related rigging. Laboratory projects will involve the use of non-destructive and destructive testing equipment to determine the forces acting upon rigid bodies under a static load, as well as the mechanical properties of materials. Prerequisites: MATH111M and MATH135M or higher and WELD213M or ADMT220M. Corequisite: PHYS100M or higher. |
| Program  | * [Advanced Manufacturing Technologies, AS](http://www.mccnh.edu/academics/programs/advanced-manufacturing-technology)
* [Welding Technology, AAS](http://www.mccnh.edu/academics/programs/welding-technology)
 |
| Inventory of Materials in ZIP file: | * Syllabus
* Course Outlines
 |

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