[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 | NHTI, Concord’s Community College |
| Creator | Joseph Cunningham |
| Course | RB 220 Robotics and Automation II |
| Course Description | A continuation of the Robotics and Automation I course covering advanced topics which include the integration of robots and CNC machines into manufacturing cells. Other equipment studied includes motion control devices, such as motors and sensors, conveyors and parts feeder mechanisms, use of vision systems as well as other automation equipment used in manufacturing. The integration of automation equipment such as PLCs, motion control devices, and vision systems is also covered. The laboratory work includes the use of PLCs, robots, CNC machines, and other automation equipment. (Pre-requisites: RAET 205C and RAET 210C each with a  grade of “C” or higher.) |
| Program | * [Robotics and Automation Engineering Technology](https://www.nhti.edu/academics/programs-study/engineering-technology-programs/robotics-and-automation-engineering) |
| Inventory of Materials in ZIP file: | * Syllabus * Assessments and Projects |

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