[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 | CAD225 Design Project for Rapid Prototyping |
| Course Description | This course introduces the design process through virtual and physical prototyping. Participants will study topics fundamental to rapid prototyping and automated fabrication, including the generation of suitable CAD models, current rapid prototyping fabrication technologies, their underlying material science, the use of secondary processing, and the impact of these technologies on society. The class will cover the design process, problem solving methods, interdisciplinary team work, current industrial practice, and manufacturing process capabilities. The course emphasizes hands-on learning using the rapid prototyping process by the actual design and fabrication of a part. Prerequisite: CAD210M or CAD220M. |
| Program  | * [Computer Aided Design Certificate](http://www.mccnh.edu/academics/programs/advanced-manufacturing-technology#cert2)
 |
| Inventory of Materials in ZIP file: | * Syllabus
* Course Outlines
* Assessments and Projects
* Lecture Notes
 |

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[AMPed NH](http://ampednh.com/%22%20%5Co%20%22Go%20to%20AMPedNH.com%2C%20the%20AMPed%20NH%20Project%20Website) is sponsored by a $19.97 million grant from the U.S. Department of Labor, Employment & Training Administration TAACCCT Grant #TC-22504-11-60-A-33. [The Community College System of NH](http://www.ccsnh.edu/) is an equal opportunity employer, and adaptive equipment is available upon request to persons with disabilities.

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