[Advanced Manufacturing Partnerships in Education (AMPed NH)](http://ampednh.com/" \o "Go to AMPedNH.com, the AMPed NH Project Website) 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 | River Valley Community College |
| Creator | See each resource for attribution/copyright owner |
| Course | EGR 102 Intro to Engineering 2 |
| Course Description | This is the second semester of a two-semester sequence designed for engineering students. Topics covered this semester will include: Covered in the course are models and systems, basic programming methods using spreadsheets and MATLAB, computational techniques of approximate solutions and basic statistics for quality control. The curriculum includes integration of theory with practical in-class experiments that enhance and support concepts learned in lecture. A number of concepts within each topic will be demonstrated and sample problems discussed. These topics will be covered at a brisk pace in lectures, which is normal in engineering courses. It is an algebra-based course with incorporated classroom projects and activities. This course includes an engineering design project. |
| Program | Engineering Technology |
| Inventory of Materials in ZIP file: | * Syllabus * Course Outlines * Course Projects * Lecture Materials * Extra Credit Guidelines |

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