



# WPI

**ROBERT A. FOISIE**  
**SCHOOL OF BUSINESS**

[innovate@wpi.edu](mailto:innovate@wpi.edu)



Hardline Heat Treating, Inc.  
134 Ashland Avenue  
Southbridge MA 01550  
508-764-6669

Hardline Heat Treating specializes in a variety of heat treating services including Austempering, Marquenching, vacuum high pressure quenching, and annealing, etc. Our markets consist of medical, automotive, military, firearms, and manufacturing. Our niche in the marketplace lies within our ability to handle small parts, as well as large parts, while consistently delivering



Example of product typically marquenched or austempered with minimal to zero distortion.

With over 35 years of experience in the heat treating industry, Hardline Heat Treating has built a solid reputation for delivering on time, and providing the highest quality workmanship. We stand behind everything we do!



Hinge dips made of 1074 Spring Steel, and processed with zero distortion.

The company needs 4 engineers to work as a team consisting of 2 graduate & 2 undergraduate students, to work about 10 hours each week. Most of the work may be done on campus after an initial meeting at the company. Weekly reports and a summary presentation are required at the end of the project. The project may be extended at the discretion of the company.

Mechanical, Materials and Manufacturing Engineering Majors – Fixture design, process analysis, part routing, process metrics.

Business, MBA, IT Majors – Development of in-house dashboard for employees and management use showing real time production status on the shop floor. Process analysis, value stream mapping.

**WPI Center for Innovative Manufacturing Solutions** [www.wpi.edu/+centerforIMS](http://www.wpi.edu/+centerforIMS)



The project timeline begins in January and should be completed before mid-April 2016. Students will be selected by a brief interview process with the company and should have the following qualifications.

*You should be able to describe why you would be a good match for this paid consulting assignment.*

**ME/MTE/MFE/IE Students:**

1. Interest in the Project
2. Engineering Acuity
3. Basic Research and Organizational Skills
4. Ability to do Internet, Phone, and other basic Searches
5. Knowledge of basic Manufacturing Processes.
6. Presentation Skills
7. Availability Minimum 10 Hrs./Week

**MG/MGE/MSM&I/MSOA&M/MBA/IT Students:**

1. Interest in Project
2. Customer Interaction Skills
3. Market Study Skills
4. Basic Research and Organizational Skills
5. Ability to do Internet, Phone, and other basic Searches
6. Presentation Skills
7. Availability Minimum 10 Hrs./Week

**You will work in a team with the goal of providing actionable advice to the company.**

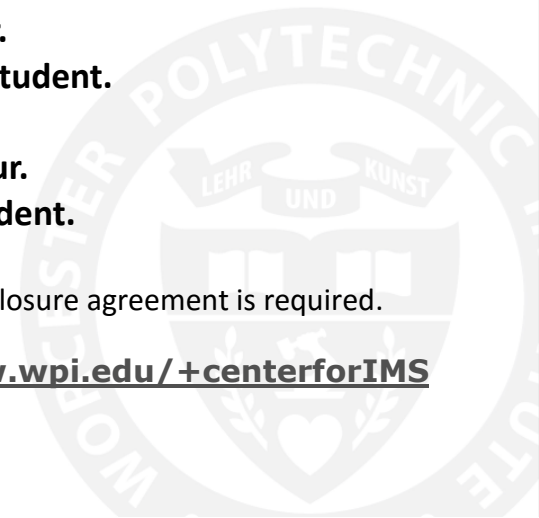
If you are interested please email [hardline@wpi.edu](mailto:hardline@wpi.edu) and include a letter explaining why you are a good candidate for one of these positions.

**Undergraduates earn \$14 to \$18/hour.**  
**Initial estimate is 50 hours of work for each student.**

**Graduate/PhDs earn \$18 to \$22 per hour.**  
**Initial estimate is for 50 hours for each student.**

This opportunity is open to all academically qualified students. A non-disclosure agreement is required.

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# Manufacturing Innovation Grants



*Way to grow.*