Tailored Contract Training
Designed specifically to achieve your workforce objectives …

- **Workforce ESL.**
  40-80 hour formal instruction, 10-18 hour laboratory sessions based on performance objectives.

- **Team Building I.Q.**
  Web-based assessment tool plus 3-hour consult workshop by certified trainer.

- **Supervisory, Management & Leadership Training**
  6-hour training modules for each topic including client-specific content and workshops.

- **Organizational Health Check-Ups**
  3-hour team assessment and workshop followed by SSG-supplied report on findings, conclusions, and recommendations.

- **Business Communications**
  6-12 hour training sessions including tailored workshops for each topic desired: *Put it in Writing, Business Etiquette, and Presentations with Impact.*

- **Microsoft Office**
  3-6 hour computer laboratory sessions based on skill level assessment offered for each topic desired: *Microsoft Word, Excel, PowerPoint.*

...contract training offered at Housatonic as well!

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**The Advanced Manufacturing Machine Technology Certificate**

- **Our Program**
  - 14 credit courses
  - 2 semesters
  - 34 credit hours
  - Apprenticeship-based

- **Our Graduates** — Provide employers with qualified candidates for training on the job. Meet today's performance standards for:
  - Tool & Die,
  - Advanced CNC, and
  - Metrology.

- **Facilities** — Are state of the art and a resource center to support your operations, including:
  - Solid Works and Mastercam Lab
  - Multi-Axis CNC machinery
  - CMM Metrology Labs
  - Additive Manufacturing/3-D Printing
  - Wire EDM

- **Manufacturing Systems** — Meet your goals for:
  - Productivity,
  - Quality
  - Continuous Improvement
  - Lean and 5-S Systems

- **Internships** — Are “earned” and offer employers a great way to test our product

- **Placement** — Is on a first come, first serve basis. Graduates go fast, please contact us today!

  Rich DuPont, **Interim Director**
  Advanced Manufacturing Center
  RDupont@Housatonic.edu
  (203) 332-5991

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**Tailored Contract Training**

**The Housatonic Partnership**

**Empowering Your Manufacturing Workforce**

**HCC’s workforce development services are administered by HCC’s Community Outreach Division**

G. Thomas Sheffer, Coordinator, Workforce Development
(203) 332-5971

900 Lafayette Boulevard, Bridgeport, CT 06604
www.Housatonic.edu
Targeted Short Courses
Focused for today’s manufacturing methods, technology, and processes …

- CNC Programming and Setup
  48 hours. Two 3-hour classes per week for 8 weeks.
- Solidworks (CAD program)
  36 hours. Two 3-hour classes per week for 6 weeks.
- Geometric Dimensioning & Tolerancing (GD&T)
  36 hours. Two 3-hour classes per week for 6 weeks.
- Blueprint Reading
  36 hours. Two 3-hour classes per week for 6 weeks.
- Shop Math
  36 hours. Two 3-hour classes per week for 6 weeks.
- Metrology
  36 hours. Two 3-hour classes per week for 6 weeks.

Programs can also be designed to meet specific customer requirements tailored to their unique manufacturing operations.

Your Manufacturing Workforce One-Stop
HCC’s Community Outreach Division can provide all your training needs including:

- Half Day and Day Training
- Short Courses
- Non-credit Programs
- Certificate Programs
- Credit Extension Courses

Targeted short courses listed here can be incorporated into…

CNC Programming and Setup
Designed in modular delivery format to capitalize on existing CNC knowledge and skills at any level. CNC programming content includes basic G & M code definitions and functions, part design to X,Y,Z coordinate procedures & mathematics. Incorporates proper program structure and development for Fanuc, Haas and other G code controls multi-tool programming, basic and advanced feed & speed calculations, and 2-3 & 4 axis programming.

Solidworks (CAD program)
Learn how to build parametric models of parts and assemblies & make simple fully dimensioned drawings of those parts & assemblies. Used in the common Windows operating system. Solidworks is a feature based, parametric solid modeling design tool.

Geometric Dimensioning & Tolerancing (GD&T)
Acquire an in-depth understanding of geometric dimensioning and tolerancing concepts as adopted by the American National Standards Institute (ANSI) and published by the American Society of Mechanical Engineers.

Blueprint Reading
Build production part and assembly print reading skills for the manufacturing environment, including view orientation, drawing, symbols, dimensioning, views, title block, machining specifications and more.

Shop Math
Acquire skills to read engineering drawings, production charts and graphs, and inspect parts and fits to tolerances. Topics include whole numbers, fractions, decimals, measurement, percentages, fundamentals of SI metric measurement, and applied mathematics in a manufacturing environment.

Metrology
Understand methods to test instrument calibration using precision artifacts to ensure gages work to specifications. Content includes: introduction to measurement; precision hand tools and gaging (micrometers, calipers, indicators and gages); measurement instruments; surface and form instruments; optical measurement instruments, and methods for analyzing the repeatability and reproducibility of measurement instruments.

Workforce ESL
Apply English language training to company-specific shop floor tools, machines, processes, work practices, safety procedures and/or HR policies desired. Includes formal classroom and laboratory training, pre and post-performance assessment as well as weekly assessments against program objectives.

Team Building I-Q
Discover personal specific team building strengths by completing a web-based diagnostic. Individualized participant reports, provide teambuilding tactics and strategies each participant can employ for greater teamwork effectiveness. Individual consults are provided by the certified facilitator during the teambuilding workshop.

Supervisory, Management & Leadership Training
Learn tools, techniques and best practices apply to enhance supervision and leadership effectiveness with staff, and management practices for their area of responsibility. Separate 6-hour programs offered.

Organizational Health Check-Ups
Participants provide insights into their organization by responding to an assessment that quantifies their view of five cultural dimensions. The facilitated workshop examines cultural areas of relative strengths and weaknesses concluding with a task force simulation for addressing potential improvements. This check-up provides an indicator where continuous improvement and/or training could next be applied.

Business Communications
Apply proven communications tools, techniques and best practices in tailored workshop assignments in one or more of this series of communication training. Company-specific workshops for Business Etiquette and Put It In Writing are incorporated within these separate, 6-hour training programs. Presentations that Impact incorporates 12-hours of instruction, workshops, and presentation delivery, including critiques of team platform performance.

Microsoft Office
Learn job-related computer applications in one of Microsoft's Office Suite: Word, Excel, or PowerPoint. In order to optimize training, classes are structured based on the entry-level skills of the participants. Conducted in HCC’s state of the art computer learning laboratory.

OUR CONTENT EXPERTS
Highly knowledgeable experts in their field, each possesses more than ten years of manufacturing experience in industry as well as extensive practice as a field trainer.

FUNDING ASSISTANCE
HCC’s Workforce Coordinators collaborate with state and federal agencies, advocating for training financial support for our clients.

FLEXIBLE, AFFORDABLE EDUCATION
Our non-credit programs are supplied when you need it, where you want it delivered. Participants’ in HCC’s workforce training can also take courses on-site at your facility earning credits toward a certificate or degree program. Tuition at HCC offers the most affordable option for higher education in the state.