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# President's High Growth Job Training Initiative

## *Indiana Advanced Manufacturing Education Collaborative*

**Grantee:** Ivy Tech Community College of Indiana

**Key Partners:** Purdue University's Center for Advanced Manufacturing, Indiana Economic Development Corporation, Indiana Department of Workforce Development, more than 60 original equipment manufacturers and suppliers, including Rolls-Royce, Toyota, Mitsubishi, Subaru, TRW, and Visteon, regional economic development organizations, North Central Indiana WIRED Network, and regional Workforce Investment Boards

**Grant Amount:** \$1,860,515

**Leveraged Amount:** \$6,536,000

**Location of Grant Activities:** Terre Haute, Lafayette, Indianapolis, Madison, Richmond, Columbus, and Evansville, Indiana

**Challenge:** With the pending arrival of thousands of new jobs (3,000 new and 6,000 indirectly created) because of new Honda and Toyota/Subaru plants and expanded facilities, Hoosiers need to develop the skill sets for manufacturing workers at all levels. Unfortunately, manufacturers have difficulty hiring qualified workers with the basic skills and understanding of manufacturing processes for frontline positions. Employers also are unable to develop enough talented workers for technical, supervisory, and managerial positions that will soon be in demand.

**Addressing the Challenge:** Through training delivery and capacity building, this project will help new workers enter advanced manufacturing fields, build and implement a new, education infrastructure for advanced manufacturing education, and increase career opportunities and options for employees in transportation-related manufacturing to move from mastering foundational skills to post-graduate technical professional development. A new statewide Advanced Manufacturing curriculum will be created for Ivy Tech and complement and apply related degrees at Purdue. Certificate programs will be developed in Continuous Improvement in Product Development, Design of Quality Processes for Advanced Manufacturing, Minimizing the Environmental Impacts of Advanced Manufacturing, and Integrated Digital Manufacturing. Course content from these programs will be delivered, in part, using video iPods.

**Projected Outcomes:**

- Enroll 550 students (entry-level and incumbent workers) at Ivy Tech and Purdue
- Produce 485 credentialed completions, with 425 individuals securing employment
- Develop new certificate programs, with associated curricula and training tools, which may be replicated nationwide

