Final Progress Report; Expanding the Nation's Manufacturing Technology Workforce Capacity; Contract Number W911NF-09-1-0457; Tallahassee Community College

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During this Department of Defense, Army Research Office grant project, the AMTC supported the development of 18 manufacturing skill training courses with the addition of the Automation in Manufacturing, Quality Improvement, Lean Manufacturing and Surface Mount Technician courses added during this last year. Additionally, twenty-four credit courses were developed to support seven College Credit Certificate programs and the Associate of Science Engineering Technology degree completed during this last period. The AMTC’s functional capabilities supported three projects; Department of Labor (DOL) Engineering Technology and Advanced Manufacturing Training Center (AMTC), Department of Labor (DOL), Engineering Technology and Advanced Manufacturing (ETAM), National Science Foundation (NSF)

Advanced Manufacturing Training Center (AMTC), Department of Labor (DOL), Engineering Technology and Advanced Manufacturing (ETAM), National Science Foundation (NSF)
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ABSTRACT
During this Department of Defense, Army Research Office grant project, the AMTC supported the development of 18 manufacturing skill training courses with the addition of the Automation in Manufacturing, Quality Improvement, Lean Manufacturing and Surface Mount Technician courses added during this last year. Additionally, twenty-four credit courses were developed to support seven College Credit Certificate programs and the Associate of Science Engineering Technology degree completed during this last period. The AMTC’s functional capabilities supported three projects; Department of Labor (DOL) Engineering Technology and Advanced Manufacturing (ETAM), National Science Foundation (NSF) ATE Students in Engineering Technology and DOL FL TRADE project. In total, the AMTC served 405 students (184 in last year) in manufacturing skill training courses.

Enter List of papers submitted or published that acknowledge ARO support from the start of the project to the date of this printing. List the papers, including journal references, in the following categories:

(a) Papers published in peer-reviewed journals (N/A for none)

Received Paper

TOTAL:

Number of Papers published in peer-reviewed journals:

(b) Papers published in non-peer-reviewed journals (N/A for none)

Received Paper

TOTAL:

Number of Papers published in non peer-reviewed journals:

(c) Presentations
Number of Presentations: 0.00

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<th>Non Peer-Reviewed Conference Proceeding publications (other than abstracts):</th>
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### Graduate Students

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**FTE Equivalent:**

**Total Number:**

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### Names of Post Doctorates

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**FTE Equivalent:**

**Total Number:**

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### Names of Faculty Supported

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**FTE Equivalent:**

**Total Number:**

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### Names of Under Graduate students supported

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**FTE Equivalent:**

**Total Number:**
**Student Metrics**
This section only applies to graduating undergraduates supported by this agreement in this reporting period

The number of undergraduates funded by this agreement who graduated during this period: ...... 0.00
The number of undergraduates funded by this agreement who graduated during this period with a degree in science, mathematics, engineering, or technology fields: ...... 0.00
The number of undergraduates funded by your agreement who graduated during this period and will continue to pursue a graduate or Ph.D. degree in science, mathematics, engineering, or technology fields: ...... 0.00
Number of graduating undergraduates who achieved a 3.5 GPA to 4.0 (4.0 max scale): ...... 0.00
Number of graduating undergraduates funded by a DoD funded Center of Excellence grant for Education, Research and Engineering: ...... 0.00
The number of undergraduates funded by your agreement who graduated during this period and intend to work for the Department of Defense ...... 0.00
The number of undergraduates funded by your agreement who graduated during this period and will receive scholarships or fellowships for further studies in science, mathematics, engineering or technology fields: ...... 0.00

### Names of Personnel receiving masters degrees

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### Names of personnel receiving PHDs

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### Names of other research staff

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### Sub Contractors (DD882)

### Inventions (DD882)

### Scientific Progress

None to Report

### Technology Transfer
Welcome Capital Region Manufacturers

Tallahassee Community College
Advanced Manufacturing Training Center

Equipment and Training Devices used at the Advanced Manufacturing Training Center were funded in part by an Army Research Office grant.
Program Update

• Current DOL Engineering Technology & Advanced Manufacturing (ETAM) Project

• National Science Foundation (NSF) Project; Students in Engineering Technology (SET)

• Florida Transforming Resources for Accelerated Degrees and Employment (TRADE) grant

Industry Stackable Credentials
DOL ETAM Project

• Thru June 30, 2013
• Incumbent and unemployed worker training

• Subject Areas:
  • CNC Machine Operator
  • Electronics Aide
  • Surface Mount Technician
  • Quality Improvement Associate
  • Bronze Level Lean
  • Instrumentation Control Tech
NSF SET Project

• Establish education career pathway into ET careers
  • Godby High School
  • Wakulla High School

• Develop ET Associate of Science Degree

• Coordinate articulation to 4-year institution
Florida TRADE Project

• Training workers that have lost their jobs or are at risk of losing their job as a result of foreign trade
  – Veterans
  – Dislocated and incumbent workers

• 12 colleges, workforce boards, manufacturing associations, EDCs and consultants

• Thru Sept 2016
Tallahassee Community College

- AMTC Front Desk
  - 201-9720
- Office
  - 201-9673