GRAYSON ADVANCED MANUFACTURING ACADEMY

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Grayson County Population (2015 Estimate) .................. 125,467
Grayson County Population (2010 Census) .................. 120,877
Population Growth ..................................................... 3.8%
Median Household Income ........................................... $47,631
Per Capita Income ....................................................... $24,614
Persons in Poverty ...................................................... 15.3%

Statewide Population Growth ....................................... 9.2%
Statewide Median Household Income ........................... $52,576
Statewide Per Capita Income ........................................ $26,513.00
Statewide Persons in Poverty ...................................... 15.9%

BACKGROUND – GRAYSON CO. TX

Source: Census.gov Quickfacts (Grayson County & Texas Statewide)
Grayson County is part of the Sherman-Denison Metropolitan Statistical Area (MSA)

Unemployment rate for Sherman-Denison MSA is currently around 4.0%

Texas/National unemployment rate is currently around 5.0%

Leisure/Hospitality, Education/Health Services and Manufacturing house most jobs in Grayson County

Manufacturing shows promise in jobs created and in potential jobs in the next three years (industry retirement and attrition)

EMPLOYMENT OUTLOOK

Source: TWC Tracer2 LMCI Economic Profiles Sherman-Denison MSA
Manufacturing is one of the fastest-growing economic sectors in Grayson County.

Manufacturing is second only to healthcare in the number of available jobs available to qualified workers in Grayson County.

Employers are unable to find qualified workers in our area so many of the positions remain unfilled.

Why not solve the problem where the talent pipeline starts?

WHY ADVANCED MANUFACTURING?

Source: Grayson County Middle-Skills Workforce Committee
- Sherman ISD
- Grayson College
- Denison ISD
- Sherman Economic Development Corporation
- Denison Development Alliance
- Grayson County Industries

PROJECT STAKEHOLDERS
Project Timeline

October/November 2015
Recognize need and form Ed/Industry Task Force

November 2015
Joint Task Force meets to look at industry analysis and starts examining curriculum

December 2015
College curriculum determined and college moved to apply for THECB approval for AMC

January/February 2016
High School courses determined and added to HS Course Guides; HS student registration

March 2016
Course/equipment requests finalized for HS/College and Industry Partnerships signed

Summer 2016
Teacher/Instruction Hires and Professional Development

Fall 2016
Cohort 1 at SHS
HOW DID WE GET STUDENTS INVOLVED?
First Cohort of Advanced Manufacturing students started this fall with Precision Metal Manufacturing.

First course is an articulated course that teaches technical calculations and precision tools/measurements. This class is held on-site at the high school.

Industry/college provides tools and materials for the course; ISD provided instructional materials (textbooks/curriculum).

Subsequent courses will be taken at Grayson college and will be dual-credit courses.
Sherman High School

9th Principles of Manufacturing

10th Precision Metals Manufacturing

11th Advanced Precision Metals Manufacturing

12th Manufacturing Engineering

Grayson College

9th No Course

10th Technical Calc/Precision Tools & Measurement

11th Basic Machine Shop/Pumps, Compressors, Mechanics

12th Electric Fundamentals, Print Reading, PLC Programming

COURSE SEQUENCE
In addition to the course work, students must complete a summer internship at a sponsoring industry before being awarded the Advanced Manufacturing Certificate.

Dual-credit students can also earn an Associates of Applied Science after approval of THECB.
Program costs (tuition, dual-credit books, fees) are covered by the industries.

Equipment costs are split by ISD and Grayson College.

Applied for NSF grant for *New Blue Academy*

Currently awaiting grant notifications to help fund the college aspect of the program
FUTURE PROJECTS

- Grayson Health Science Academy
  - CAN/PCT
  - Pharmacy Tech
  - EMT
  - Bridge to LVN/RN (Priority points)
- Grayson IT Academy
  - Programming/Cybersecurity/IT Support
- Additional Continuing Education Opportunities
  - HVAC
  - Electrical
  - Construction
  - Building Maintenance
Questions?

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