

Program Review

Executive Summary

Automation Manufacturing/Machine Tool Technology

Majors Reviewed:

- **Manufacturing Engineering Technology, B.S.**, (BAF)
- **Automated Manufacturing Technology, A.A.S.**, (AF)
- **Machine Tool Technology, A.A.S.**, (MY)
- **Machinist General, Certificate**, (MG)

August 2011



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In general many manufacturers are still seeking highly skilled employees. These employees are the backbone of the manufacturing industry. Part of the need is a result of the aging population of skilled workers; additionally the high level of advanced skills such as CNC programming provided to PCT graduates makes them increasingly valuable to industry.

In the report “***Critical Shortages of Precision Machining and Industrial Maintenance Occupations in Pennsylvania's Manufacturing Sector***”^v, December 2010, they site that there are 72,000 individuals working as precision machinists and industrial maintenance technicians in Pennsylvania. The PA Center for Advanced Manufacturing Careers estimates that employers will need between 15,000 and 17,000 more during the next decade. ^v PCT Manufacturing graduates are in high demand and feedback from employers has shown that our graduates have the hands on skills to step into their industry and become productive employees in a very short period of time.

The Manufacturing Department will continue to provide its graduates with the hands on education that make them desirable and productive employees. Our close relationship with our advisory board and employers keep us informed of industry needs and enables us to offer the education and skills necessary for our graduate’s continued success.

^v “*Critical Shortages of Precision Machining and Industrial Maintenance Occupations in Pennsylvania's Manufacturing Sector*”

http://www.paworkforce.state.pa.us/portal/server.pt/community/pa_center_for_advanced_manufacturing_careers/18909