



**2015-2016  
ACADEMIC CATALOG  
VOLUME XL**

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**CATALOG ADDENDUM**  
*(Effective 12/01/15)*

**Abbeville County Campus**  
143 Hwy 72 W  
Abbeville, SC 29620-5541  
(864) 446-8324

**Edgefield County Campus**  
506 Main St.  
Edgefield, SC 29824-1356  
(803) 637-5388

**Lex Walters Campus-Greenwood**  
620 N. Emerald Rd.  
Greenwood, SC 29646-9675  
(864) 941-8324

**Laurens County Campus**  
663 Medical Ridge Rd.  
Clinton, SC 29325-4538  
(864) 938-1505

**McCormick County Campus**  
1008 Kelly St.  
McCormick, SC 29835-8424  
(864) 852-3191

**Newberry County Campus**  
1922 Wilson Rd.  
Newberry, SC 29108-4612  
(803) 276-9000

**Saluda County Campus**  
701 Batesburg Hwy  
Saluda, SC 29138-8489  
(864) 445-3144

*Piedmont Technical College does not discriminate on the basis of race, color, religion, sex, national origin, age, disability, sexual orientation, or veteran status in its admissions policies, programs, activities or employment practices.*

*For information on tuition and fees, program length, graduation rates, placement rates, and median loan debt, visit [www.ptc.edu](http://www.ptc.edu).*

In today's Advanced Manufacturing operations, qualified employees are essential to a successful production operation. The Quickskills training programs listed below allow people to learn in a relatively short time frame the necessary entry level skills to help them start work with more than a basic understanding. These programs will introduce LEAN techniques for continuous improvement, SPC (Statistical Process Control) of quality operations to produce high quality parts, and precision measurements using instruments for close tolerance work. Additionally, career focus courses will be covered based on specific areas such as CNC (Computerized Numerical Control), TQM (Total Quality Management) technicians, Mechatronics and other career related choices. All participants will be required to undergo WorkKeys testing which is rapidly becoming the required testing tool for pre-employment hiring. Additionally, these courses are curriculum based and eligible for credit towards an Associate in Applied Science degree in a number of disciplines.

*Courses with a prefix of IMT or MET must be less than 8 years old in order to count toward a certificate, diploma or degree program.*

## Manufacturing Production Technician - MFG8

This certificate will offer training and preparation for career opportunities in entry-level positions in today's advanced manufacturing facilities.

These skills will align with the core needs of today's manufacturing operations. The curriculum includes mathematical and statistical techniques and applications, industrial safety and operational principles, production process cycle including resource availability, product specifications and state-of-the-art manufacturing practices, including Lean Manufacturing tools and techniques.

### Day Program

FIRST SEMESTER	CREDIT HOURS
IMT 101 Introduction to Industrial Maintenance .....	2.0
IMT 102 Industrial Safety.....	2.0
IMT 170 Statistical Process Control.....	3.0
MET 235 Manufacturing Engineering Principles .....	2.0

**TOTAL CREDIT HOURS: 9.0**

## Machine Tool CNC Precision Operator-CNC6

The certificate teaches the core principles and practices for employment as an entry-level CNC operator.

Students in this program will be introduced to modern practices which include Precision Measurement techniques and the foundational principles of CNC Operations. Students will learn and perfect introductory skills in the programming and daily maintenance of CNC machines. Various types of automated equipment, such as Coordinate Measuring Machines are utilized so that students gain practical experience that will help them obtain gainful employment in industry.

**Note:** *The CNC6 Certificate is primarily focused on providing training for the industrial and manufacturing sectors. Students are required to contact their primary advisor before enrolling into the CNC6 Certificate.*

### Day Program

FIRST SEMESTER	CREDIT HOURS
MTT 105 Machine Tool Math Applications .....	3.0
MTT 120 Machine Tool Print Reading .....	3.0
MTT 121 Machine Tool Theory I.....	3.0
MTT 130 Fundamentals of Geometric Dimensions and Tolerancing .....	2.0
MTT 143 Precision Measurements/CMM .....	2.0
MTT 251 CNC Operations .....	3.0
MTT 253 CNC Programming and Operation .....	3.0

**TOTAL CREDIT HOURS: 19.0**