

Tri-County Technical College
CAD/CAM/MTT Programs - Industrial and Engineering Technology Division
Technical Advanced Placement (TAP) Program
Competency Verification and Teacher Recommendation Form
MTT 105 (Machine Tool Math Applications)

SECTION I (To be completed by the student)

Please complete this section of the form and give it to your Mathematics (Mathematics for the Technologies II or higher) teacher.

Your Name (*PLEASE PRINT*): _____ SSN: _____

Address: _____ City: _____ State: _____ Zip: _____

Phone: _____

High School: _____ Grade: _____

SECTION II (To be completed by the teacher)

I verify that this student has mastered all of the major competencies of the MTT 105 (Machine Tool Math Applications), which are listed on the back of this form and described completely in the approved syllabus dated July 26, 1995. I understand that in order to progress in the validation process for Technical Advanced Placement credit, *a minimum of 75 percent of the competencies must be verified*. Having met this requirement, I recommend this student be permitted to continue the validation process by completing the TAP exam, which I understand will be arranged through the MTT Program at Tri-County Technical College.

Teacher Name (*PLEASE PRINT*): _____

Signature: _____

Date: _____

Name of high school course(s) in which this student gained the required competencies for possible TAP credit:

Date of course completion or expected completion: _____

Comments (if applicable): _____

Please make a copy of this form for your records and mail the original to Ms. Tonia McClain, Industrial and Engineering Technology Division Secretary, Tri-County Technical College, PO Box 587, Pendleton, SC 29670. (Questions regarding TAP procedures for MTT 105 should be directed to Mr. Dave Walker, MTT Program Coordinator, at 646-8361, extension 1415.)

Ab: 3/9/06

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COMPETENCIES (please initial each one)

- ____1. Express fractions and/or mixed numbers in equivalent forms.
- ____2. Add, subtract, multiply and divide combinations of fractions, mixed numbers and/or whole numbers; solve problems involving applications of fractions, mixed and/or whole numbers.
- ____3. Express decimals as fractions and vice versa; add, subtract, multiply and divide decimals; solve practical problems involving decimals.
- ____4. Solve problems using power and root operations in combination with arithmetic operations.
- ____5. Express units of measure in equivalent form (both English and metric); convert between systems of measurement; solve practical problems involving length, area, volume, capacity and weight.
- ____6. Add, subtract, multiply and divide signed numbers.
- ____7. Add, subtract, multiply and divide algebraic terms; solve practical problems involving equations.
- ____8. Convert among fractions, decimals and percents; solve practical problems involving percentage.