

ADVANCED MANUFACTURING CERTIFICATE <i>12 hours of PSCC courses to crosswalk with TCAT Machine Tool Technology</i>	
PSCC COURSE	TCAT COURSE/S
ENST 1340 - Machine Tool Technology	MTT 1040 - Engineering Drawing I AND MTT 1050 - Shop Theory I AND MTT 1060 - Benchwork Manual Machine Tool AND MTT 2040 - Manual Lathe AND MTT 2050 - Manual Milling AND MTT 2060 - Grinding and Abrasion
ENST 1350 – Industrial Safety	OSHA 10 certification AND NIMS- Measurement, Materials & Safety Level I certification
ENST 2340 – CNC Programming I	MTT 2020 Engineering Drawing II AND MTT 2080 Intro to CNC AND MTT 3010 Engineering Drawing III AND MTT 3020 Shop Theory III AND MTT 4050 CNC Machining Center
ENST 2341 – CNC Programming II	MTT 2020 Engineering Drawing II MTT 2080 Intro to CNC AND MTT 3010 Engineering Drawing III AND MTT 3020 Shop Theory III AND MTT 4050 CNC Machining Center AND

Civil and Construction Engineering Technology A.A.S. <i>16 hours of PSCC courses to crosswalk with TCAT/TDOT training certificate</i>	
PSCC COURSE	TDOT/TCAT COURSE/S
CIVT 2100—Construction Cost Estimating	210 Plan Reading Applications Planning 220 Site Prep and Basic Foundation 300 Formwork & Shoring
CIVT 2200—Construction Scheduling	410,440
CIVT 2350 —Construction Materials Testing	200 Materials Management in addition to the Following TDOT Certifications: <ol style="list-style-type: none"> 1. Concrete Technician Certification Program 2. Concrete Field Testing Technician Course – Level 1 3. Concrete Plant Quality Control Technician Course – Level 2 4. Concrete Mix Design Course – Level 3 5. Hot Mix Asphalt QA/QC Level 1 6. Soils and Aggregate Certified Testing Technician Course
CIVT 2980 — Special Topics (note: course not required for the Civil and Construction Engineering Technology A.A.S. program)	300 Formwork & Shoring
CIVT 2990—Capstone	110,120,130,210,220,410, 440 Capstone Project

COMPUTER INFORMATION TECHNOLOGY, Networking Concentration <i>13 hours of PSCC courses to crosswalk with TCAT</i>	
PSCC COURSE	TCAT COURSE/S
**CITC 1102 – Networking Lab –	CITC 0501 or CIT 2010 Networking Fundamentals AND 216 hour Network Support Certificate
**CITC 1302 – Introduction to Networking	CITC 0501 or CIT 2010 Networking Fundamentals AND 216 hour Network Support Certificate
**CITC 1321 - A+ Hardware CITC 1322 – A+ Software	Both CITC 0301 AND CITC 0302; or CIT1060 AND Desktop Support Specialist Certificate
**CITC 1330 – Microsoft Desktop OS	CITC 3010
** PRIOR TO TCAT CREDIT BEING APPLIED TO PSCC TRANSCRIPT, STUDENT MUST SUCCESSFULLY COMPLETE CITC 1301 – Introduction to Programming and Logic at Pellissippi State Community College. This is a PSCC prerequisite course.	

ELECTRICAL ENGINEERING TECHNOLOGY <i>3 hours of PSCC courses to crosswalk from TCAT Industrial Electricity</i>	
PSCC COURSE	TCAT COURSE/S
EETC 1300 – Introduction to Electrical Engineering Technology	INE 0001 Worker Characteristic core INE 1010 Orientation and Safety INE 1020 Principles and Meters INE 4050 Drawings and Documentation ** Need to add soldering to TCAT course/s

ELECTROMECHANICAL TECHNOLOGY, <i>15 hours of PSCC courses to crosswalk with TCAT Industrial Maintenance/Mechatronics</i>	
PSCC COURSE	TCAT COURSE/S
EETC 2331 PLC I	IMT 1300 (same as IMM 2030) AND IMT 1700 (same as IMM 3010) AND IMT 1800 (same as IMM 4020)
ENST 1350 Industrial Safety	OSHA 10 certification AND NIMS-Measurement, Materials & Safety Level I certification OR IMM 1020 Orientation & Safety AND IMM 1030 Mechanical Maintenance AND IMM 2929 IMM 2020 Electric Motor Control AND IMM 4020 Advanced PLCs
ENST 1360 Mechanical Power Transmission	IMM 1030 -Mechanical Maintenance AND IMM 2020 –Electric Motor Control AND IMM 1140-Measure/Inspection AND IMM 1040 -Hydraulics AND IMM 1050 -Pneumatics
ENST 1362 Industrial Printreading	IMM 1030 -Mechanical Maintenance
ENST 2361 Fluid Power Systems	IMM 1040 -Hydraulics AND IMM 1050 -Pneumatics

MECHANICAL ENGINEERING TECHNOLOGY <i>6 hours of PSCC from TCAT Machining</i>	
PSCC COURSE	TCAT COURSE/S
EETC 1350 – Electrical Technology for MET	INEDS 1030 Basic Electronics
ENST 1340 - Machine Tool Technology	MTT 1040 Engineering Drawing I MTT 1050 Shop Theory I MTT 1060 Benchwork Manual Machine Tool MTT 2040 Manual Lathe MTT 2050 Manual Milling MTT 2060 Grinding and Abrasion

WELDING TECHNOLOGY A.A.S <i>24 hours of PSCC courses to crosswalk with TCAT Welding Technology</i>	
PSCC COURSE	TCAT COURSE/S
WELD 1380 Welding Safety	NCCER WEL 1070- Orientation & Safety AND OSHA 10 OR AWS WEL 1020- Shop Orientation & Safety AND NIMS Measurement, Materials & Safety
WELD 1381 Principles of Welding	NCCER WEL 1070- Orientation & Safety, 1080 – Entry Shielded Metal Arc Welding I, WEL 2050- Entry Gas Metal Arc Welding, WEL 2060- Entry Gas Tungsten Metal Arc Welding, AND WEL 2070- Entry Shielded Metal Arc Welding II OR AWS WEL 1020-Shop Orientation & Safety, WEL 1030-Cutting Processes, WEL 1040- Basic Shielded Metal Arc Welding, WEL 1050- Basic Gas Metal Arc Welding, AND WEL 2040- Advanced Gas Metal Arc Welding
WELD 1383 Welding Symbolology & Blueprint Reading	AWS WEL 2010- Blueprint Theory AND WEL 3010- Blueprint Reading
WELD 1384 Fabrication Techniques I	AWS WEL 1010- Technology Foundations AND WEL 1030-Cutting Processes
WELD 2120 Pipe Welding	NCCER WEL 3030- Expert Gas Metal Arc Welding, WEL 3040- Expert Gas Tungsten Arc Pipe Weld, OR WEL 3050- Expert Shielded Metal Arc Welding
WELD 2370 Shielded Metal Arc Welding	NCCER WEL 2080- Expert Shielded Metal Arc Welding I AND WEL 3050- Expert Shielded Metal Arc Welding II OR AWS WEL 2040- Basic Gas Metal Arc Welding
WELD 2371 Gas Metal Arc Welding	NCCER WEL 3030- Expert Gas Metal Arc Welding I OR AWS WEL 2040- Advanced Gas Metal Arc Welding
WLED 2372 Gas Tungsten Arc Welding	NCCER WEL 3040- Expert Gas Metal Arc Welding II OR AWS 3020- Advanced Gas Tungsten Arc Pipe Welding