

Practicum Collision Repair YAG

Practicum in Transportation Systems - Auto Collision Emphasis | §127.921 | Two Credits | Full Year | 36 Weeks | Grades 11–12

Course Information: Practicum in Transportation Systems is a paid or unpaid capstone experience that provides supervised practical application of transportation knowledge and skills through school-based laboratory, internship, mentorship, independent study, or work-based settings. This YAG applies the practicum standards specifically to the Auto Collision program, emphasizing advanced collision repair and refinishing workflow, damage analysis, estimating, nonstructural repair, surface preparation, color and refinishing, quality control, safety/environmental compliance, customer/service documentation, leadership, and shop professionalism. §127.15(d)(2) CTE Employability Skills are integrated throughout. ACCESS supports career, credential, apprenticeship, employment, entrepreneurship, and postsecondary planning.

GP	Wks	Unit & Focus	Major Learning Tasks & Assessments	Integrated TEKS	Extension Activities
1	1–2	Unit 1 - Practicum Launch: Workplace Standards, Safety & Individual Training Plan	- Establish practicum policies, attendance, time management, professional appearance, PPE and shop/worksite expectations - Complete safety/environmental orientation and demonstrate safe collision-shop practices - Evaluate prior collision/refinish competencies and identify individual technical growth goals - Create an individual practicum training plan with measurable goals and supervisor/teacher expectations - Launch professional portfolio and work/skills documentation system	- PTS1(A–G) - PTS2(A–D) - PTS5(A–C) - PTS6(A) §127.15(d)(2)	- ACCESS: career/credential planning - Supervisor/teacher goal conference - Safety competency
1	3–5	Unit 2 - Advanced Damage Analysis, OEM Research & Repair Planning	- Analyze collision damage and identify structural/nonstructural, mechanical, electrical and safety-system concerns - Use OEM/service information and technical resources to determine repair requirements - Compare repair-versus-replace alternatives and justify decisions - Develop a complete repair plan and sequence of operations - Communicate findings using collision-repair terminology and professional documentation	- PTS1(A–G) - PTS2(A–D) - PTS3(B,D–H) - PTS4(A–G) - PTS5(A–C)	- OEM research task - Repair-plan review - Estimator/body technician career connection
1	6–7	Unit 3 - Estimating, Parts, Materials & Customer/Team Communication	- Prepare or revise collision-repair estimates using available estimating resources - Research parts, labor, materials and non-included operations - Analyze cost, time, quality and repair-process tradeoffs - Practice professional communication with technicians, parts personnel, estimators and simulated customers - Respond constructively to supervisor feedback and revise work products	- PTS1(B–E) - PTS2(A–D) - PTS3(A–J) - PTS4(A–G) - PTS5(B–C)	- Estimate/repair-order portfolio sample - Parts sourcing comparison - Customer communication simulation
1	8–9	Unit 4 - Advanced Nonstructural Repair & Panel Fit	- Complete supervised nonstructural repair tasks at increasing independence - Apply metal-finishing/body-filler skills and verify panel contour/fit - Remove/install/align selected panels, hardware and trim - Evaluate repair quality against industry/OEM expectations - Document competencies, feedback and improvement targets	- PTS1(A–G) - PTS2(A–D) - PTS3(B–G) - PTS4(A–G) - PTS5(A–C) - PTS6(A)	- Skills evidence/photos - Supervisor evaluation - Quality-control rubric
2	10–12	Unit 5 - Advanced Plastics, Adhesives, Glass, Hardware & Corrosion Protection	- Perform supervised plastic/composite repair and adhesive-related operations within shop capability - Service/adjust selected glass, hardware, weatherstrip and sealing systems - Restore corrosion protection, seam sealer, undercoating or related materials as required - Research procedures when unfamiliar conditions arise and compare solution options - Work collaboratively to complete tasks and resolve workflow issues	- PTS1(A–G) - PTS2(A–D) - PTS3(A–J) - PTS4(A–G) - PTS5(A–C)	- Specialty repair portfolio sample - Technical research brief - Team workflow reflection
2	13–15	Unit 6 - Refinish Preparation, Color & Material Management	- Evaluate substrate/finish condition and create refinishing plan - Complete cleaning, featheredging, filler finishing, masking, priming/sealing and final surface preparation - Use product technical information and safe material-handling procedures - Mix/measure materials and conduct color/variant/test-panel activities as appropriate - Track materials, time, quality and corrective actions	- PTS1(A–G) - PTS2(A–D) - PTS3(B,D–G) - PTS4(A–G) - PTS5(A–C)	- Refinish process documentation - Color/material log - Refinish technician career research
2	16–17	Unit 7 - Spray Application, Defect Prevention & Semester Work Product	- Set up spray equipment and demonstrate appropriate spray technique - Apply approved finish system on instructional/work product as available - Inspect finish quality and identify causes/prevention of defects - Correct appropriate imperfections through approved procedures - Complete Semester 1 work product with supervisor feedback and portfolio evidence	- PTS1(A–G) - PTS2(A–D) - PTS3(B–H) - PTS4(A–G) - PTS5(A–C) - PTS6(A)	- Semester work product - Supervisor feedback conference - Portfolio update
2	18	Semester 1 Exam - Practicum Collision Repair	- Cumulative written/performance assessment of professional standards, problem solving, teamwork, communication and collision technical application - Repair-planning/quality-control performance task - Semester portfolio and supervisor evaluation review	- Cumulative PTS1–6 as introduced §127.15(d)(2)	Targeted review/remediation

GP	Wks	Unit & Focus	Major Learning Tasks & Assessments	Integrated TEKS	Extension Activities
3	19-21	Unit 8 - Production Workflow, Leadership & Shop Operations	- Analyze repair-shop workflow from intake/estimate through repair, refinish, QC and delivery - Rotate or assume defined team roles and responsibilities - Practice scheduling, prioritization, productivity and resource management - Use leadership, consensus, adaptability, negotiation and conflict-resolution skills - Evaluate how teamwork and communication affect quality and cycle time	- PTS1(A-G) - PTS2(A-D) - PTS3(A-J) - PTS4(A-G) - PTS5(A-C)	- Team lead rotation - Workflow/process map - Shop-management career connection
3	22-24	Unit 9 - Complex Collision Repair Project I: Plan & Execute	- Select/receive an approved complex collision-repair project or simulated job - Conduct damage analysis, technical research and repair planning - Complete assigned repair operations using industry-accepted procedures - Document decisions, revisions, time, materials and quality checks - Seek and apply supervisor feedback during project execution	- PTS1(A-G) - PTS2(A-D) - PTS3(A-J) - PTS4(A-G) - PTS5(A-C) - PTS6(A)	- Project documentation - Supervisor conference - Before/during/after evidence
3	25-27	Unit 10 - Complex Collision Repair Project II: Refinish, QC & Delivery	- Complete approved refinishing/finishing operations for the project - Perform final fit, finish, cleanliness and operational quality checks - Identify/correct deficiencies and document corrective action - Prepare professional work summary and simulated/customer delivery communication - Evaluate technical proficiency and identify next-level growth targets	- PTS1(A-G) - PTS2(A-D) - PTS3(B-J) - PTS4(A-G) - PTS5(A-C) - PTS6(A)	- Completed project evidence - Final QC audit - Technical proficiency self-evaluation
4	28-30	Unit 11 - Industry Experience, Career Credentials & Entrepreneurship	- Apply practicum skills through advanced school-lab, internship, mentorship or work-based assignments - Research industry-recognized credentials/training relevant to collision repair/refinishing - Compare employment, apprenticeship, postsecondary and entrepreneurship pathways - Practice job-search, interview and professional networking skills - Update résumé and portfolio with technical competencies and extended learning	- PTS1(A-G) - PTS3(A-J) - PTS4(A-G) - PTS5(A-C) - PTS6(A) §127.15(d)(2)	- ACCESS: employment/postsecondary transition - Credential research - Mock interview/industry mentor
4	31-33	Unit 12 - Independent Collision Capstone	- Plan and execute an approved advanced collision/refinish work product with increased independence - Use technical research and critical thinking to resolve unexpected repair/refinish issues - Demonstrate professional workflow, teamwork, safety, documentation and quality standards - Incorporate supervisor critique and complete revisions/corrections - Prepare an abstract of technical competencies demonstrated	- PTS1(A-G) - PTS2(A-D) - PTS3(A-J) - PTS4(A-G) - PTS5(A-C) - PTS6(A)	- Independent capstone - Industry-standard QC - Supervisor evaluation
4	34-35	Unit 13 - Professional Portfolio, Career Transition & Practicum Presentation	- Finalize portfolio with competencies, certifications/recognitions, extended learning, résumé, work samples and supervisor evaluation - Prepare professional presentation for stakeholders - Explain technical growth using evidence from collision-repair/refinish work products - Reflect on leadership, communication, problem solving, ethics, safety and quality - Finalize postsecondary/employment/credential action plan	- PTS1(A-G) - PTS3(A-J) - PTS4(A-G) - PTS5(A-C) - PTS6(A-B) §127.15(d)(2)	- ACCESS: transition plan - Portfolio presentation rehearsal - Industry stakeholder review
4	36	Semester 2 Exam & Practicum Collision Repair Showcase	- Cumulative written/performance assessment across all Practicum in Transportation Systems TEKS - Present professional portfolio to interested stakeholders - Complete final supervisor/teacher technical proficiency evaluation and showcase capstone work	- Cumulative PTS1-6 - PTS6(B) §127.15(d)(2)	- Program showcase - Final career-transition conference

Practicum in Transportation Systems TEKS Coverage Checklist

Coverage verification: All six Practicum in Transportation Systems knowledge and skills strands and all 33 student expectations in §127.921(d), plus §127.15(d)(2) CTE Employability Skills, are intentionally addressed through the Auto Collision capstone sequence.

Strand	SEs	Knowledge & Skills Focus	YAG Placement	Coverage
PTS1	A–G	Professional standards: policies/procedures, work attitudes, constructive criticism, ethics, quality, professional appearance/PPE, safety	All units	100%
PTS2	A–D	Critical thinking/problem solving: analyze problems, determine relevance, compare alternatives, conduct technical research	Units 1–12	100%
PTS3	A–J	Leadership/teamwork: leadership traits, cooperation, team building, responsibility, relationships, interpersonal skills, negotiation, respect/diversity	Units 2–13	100%
PTS4	A–G	Technical communication: vocabulary, verbal communication, technical sources, source reliability, verbal/nonverbal cues, active listening, academic communication	Units 2–13	100%
PTS5	A–C	Advanced transportation technical knowledge, proficiency evaluation, supervisor feedback	Units 1–13	100%
PTS6	A–B	Professional portfolio: competencies/credentials, extended learning, technical abstract, résumé, work samples, supervisor evaluation; stakeholder presentation	Units 1, 4, 7, 9–13; presentation W36	100%
§127.15(d)(2)	Integrated	Level 3/4 CTE employability skills	All units	100%

Implementation Notes

- Practicum in Transportation Systems is a two-credit capstone recommended for Grades 11–12. It may be paid or unpaid and may occur through school-based laboratory, internship, mentorship, independent study, or work-based experiences.
- This Auto Collision emphasis should build on prior collision-repair and refinishing coursework rather than repeat introductory instruction. Students should demonstrate increasing independence, advanced technical application, quality control, documentation, and professional judgment.
- Each student's practicum experience may differ based on available vehicles/projects, worksite placement, equipment, supervisor direction, and individual career goals. The common TEKS remain professional standards, problem solving, leadership/teamwork, communication, advanced technical growth, and portfolio documentation.
- All collision-repair/refinishing work must follow district safety requirements, PPE/respiratory protection, environmental rules, equipment safeguards, manufacturer/OEM procedures, and approved shop/worksite practices.
- The professional portfolio should be updated throughout the year and include technical competencies, credentials/recognitions when earned, extended learning, a technical competency abstract, résumé, work samples, and supervisor evaluation. Students present the portfolio to stakeholders by the end of the course.
- ACCESS should support career exploration, industry credentials, apprenticeship/employment opportunities, entrepreneurship, postsecondary programs, résumé/interview preparation, and the student's final transition plan.
- Weeks 18 and 36 are reserved for cumulative semester exams. No instructional unit crosses the semester boundary.