

Practicum in Agriculture, Food, and Natural Resources Overview

- **Course:** Two-credit capstone practicum ● **Schedule:** Double-block classes
- **Total Weeks:** 36 (4 grading periods of 9 weeks each)
- **TEKS Abbreviation:** PAFNR = Practicum in Agriculture, Food, and Natural Resources \$127.86
- **Practicum experiences may include employment, independent study, internships, assistantships, mentorships, or laboratories.**
Example: PAFNR1(A) = TEKS Strand 1, subskill A

GP	Wks	Unit & Focus	Major Learning Tasks & Assessments	Integrated TEKS	Extension Activities
1	1–2	Unit 1 – Practicum Orientation, Workplace Expectations & Safety	Establish practicum expectations and worksite procedures; professional behavior, punctuality, time management, initiative, cooperation, ethical decision making, professional appearance/PPE, safety compliance, work ethic, and applicable laws/regulations. Begin individualized training plan.	PAFNR1(A–H) PAFNR8(B,D)	Workplace orientation; safety/PPE audit; employability self-assessment; supervisor expectations conference; training-plan draft.
1	3–4	Unit 2 – SAE, FFA & Experiential Learning	Plan/propose the supervised agricultural experience; establish recordkeeping procedures; connect practicum work to FFA/agricultural leadership opportunities and document community, professional, and classroom experiences.	PAFNR2(A–B) PAFNR3(A–C)	SAE proposal and records; FFA/program-of-activities participation; leadership/experience documentation.
1	5–6	Unit 3 – Critical Thinking & Agricultural Problem Solving	Analyze authentic workplace problems; generate creative and practical solutions; compare alternatives; use workplace/production data to support operational decisions.	PAFNR4(A–C)	Worksite problem case study; root-cause analysis; data-informed improvement proposal; supervisor feedback.
1	7–9	Unit 4 – Leadership, Teamwork & Workplace Relationships	Analyze effective leadership characteristics; practice team building, consensus, continuous improvement, respect, cooperation, adaptability, and conflict resolution; demonstrate responsibility for shared and individual tasks; build effective working relationships.	PAFNR5(A–E) PAFNR1(B–D,G)	Team project; conflict-resolution scenarios; peer/supervisor feedback; leadership reflection; GP1 practicum performance review.
2	10–12	Unit 5 – Professional Communication in Agriculture	Apply technical content and vocabulary; receive and convey workplace information; interpret informational texts, internet resources, and technical materials; evaluate verbal/nonverbal cues; practice active listening; produce professional written and oral communication.	PAFNR6(A–F)	Professional email/memo; technical directions activity; workplace presentation; mock client/customer/supervisor communication.
2	13–15	Unit 6 – Financial Literacy for the Agricultural Workplace	Develop a personal budget; interpret pay stubs; read/reconcile bank statements; maintain financial records; understand credit and credit scores; identify identity-theft prevention strategies; model completion of a personal income tax form.	PAFNR7(A–G)	Budget project; pay-stub analysis; bank reconciliation; credit scenario; tax-form simulation.
2	16–17	Unit 7 – Technical Skill Development I	Develop advanced technical knowledge and skills tied to the individual occupational objective; evaluate strengths/weaknesses; safely operate relevant tools/equipment; examine costs and maintenance of supplies, tools, equipment, or structures; identify licensure/certification opportunities.	PAFNR8(A–G)	Technical skill competency check; tool/equipment safety demonstration; cost/maintenance analysis; IBC/licensure research; training-plan update.
2	18	Semester Exam (GP 1–2)	Cumulative first-semester assessment using written, performance, and practicum evidence. Review SAE records, employability growth, communication, financial literacy, and technical-skill progress.	PAFNR1–8 as taught	Supervisor evaluation; semester skills demonstration; SAE/training-plan checkpoint; reflective conference.

GP	Wks	Unit & Focus	Major Learning Tasks & Assessments	Integrated TEKS	Extension Activities
3	19–21	Unit 8 – Technical Skill Development II: Industry Application	Advance occupational skills through sustained work-based/laboratory application; refine individualized training goals; demonstrate safe tool/equipment use; monitor technical proficiency and identify next-level industry competencies.	PAFNR8(A–G) PAFNR1(A–H)	Advanced skills project; competency documentation; supervisor coaching; updated training plan; certification preparation where applicable.
3	22–23	Unit 9 – Workplace Improvement & Data-Based Decisions	Use critical thinking, operational data, teamwork, and communication to identify an authentic agricultural workplace need and propose an improvement.	PAFNR4(A–C) PAFNR5(A–E) PAFNR6(A–F)	Workplace improvement proposal; data collection/analysis; team consultation; professional proposal/presentation.
3	24–26	Unit 10 – Career Development, Credentials & Professional Growth	Connect practicum experiences to career goals; evaluate technical strengths/weaknesses; investigate licensure/certification; document technical competencies and extended learning; strengthen resume and professional evidence.	PAFNR8(A–C, G) PAFNR9(A)(i–iv, vi–vii)	ACCESS career exploration; certification/credential plan; resume revision; competency artifacts; recommendation/award documentation.
3	27	Unit 11 – Portfolio Development I	Organize professional evidence from the practicum: technical competencies, credentials, recognitions, extended learning, resume, and work samples. Identify missing evidence needed for the final portfolio.	PAFNR9(A)(i–iv, vi–vii)	Digital/physical portfolio checkpoint; artifact quality review; peer critique; gap-analysis checklist.
4	28–30	Unit 12 – Advanced Practicum Project / Capstone Application	Complete an advanced individualized project that demonstrates technical skill, safety, problem solving, teamwork, communication, and professional work habits in the student's AFNR occupational area.	PAFNR1(A–H) PAFNR4(A–C) PAFNR5(A–E) PAFNR6(A–F) PAFNR8(A–F)	Capstone/worksite project; project log; supervisor conference; technical demonstration; problem-solving documentation.
4	31–32	Unit 13 – Workplace Financial & Operational Decision Making	Apply financial literacy and operational decision making to authentic career situations; examine costs of supplies/equipment/structures, maintenance needs, workplace data, and personal financial planning.	PAFNR4(C) PAFNR7(A–G) PAFNR8(E–F)	Cost analysis; maintenance plan; operational budget; personal financial update; workplace decision scenario.
4	33–35	Unit 14 – Professional Portfolio, Supervisor Evaluation & Presentation	Finalize professional portfolio with technical competencies, licensures/certifications, recognitions, extended learning, practicum summary, resume, work samples, and supervisor evaluation; present portfolio to stakeholders.	PAFNR9(A)(i–viii) PAFNR9(B) PAFNR1–8 reinforced	Final supervisor evaluation; practicum summary; portfolio defense/presentation; stakeholder feedback; career transition reflection.
4	36	Semester Exam (GP 3–4)	Cumulative second-semester assessment emphasizing advanced technical application, employability, problem solving, communication, financial/operational decision making, and final portfolio evidence.	PAFNR1–9	Final performance assessment; portfolio verification; SAE record check; end-of-practicum reflection.

TEKS Coverage Checklist

Practicum in Agriculture, Food, and Natural Resources §127.86

TEKS Strand	YAG Unit(s)	TEKS Codes	Coverage Description
(1) Professional Standards / Employability	1, 4, 8, 12, 14	PAFNR1(A–H)	Policies/procedures; positive work behaviors; feedback; ethics; professional appearance/PPE; safety; productive work ethic; compliance with rules, laws, and regulations.
(2) Supervised Agricultural Experience	2; reinforced throughout	PAFNR2(A–B)	Plan, propose, conduct, document, evaluate, and maintain appropriate records for an SAE.
(3) Agricultural Youth Leadership	2; reinforced throughout	PAFNR3(A–C)	Participate in leadership opportunities and local program activities; document community, professional, and classroom agricultural experiences.
(4) Critical Thinking / Problem Solving	3, 9, 12, 13	PAFNR4(A–C)	Analyze workplace problems; develop and compare practical solutions; analyze data for agricultural operational decisions.
(5) Leadership / Teamwork	4, 9, 12, 14	PAFNR5(A–E)	Leadership characteristics; teamwork and conflict resolution; responsibility; effective working relationships; respect for individuals.
(6) Oral / Written Communication	5, 9, 12, 14	PAFNR6(A–F)	Technical vocabulary; professional information exchange; analysis of technical materials; verbal/nonverbal cues; active listening; written/oral communication.
(7) Financial Literacy	6, 13	PAFNR7(A–G)	Personal budgeting; pay stubs; bank reconciliation; financial records; credit; identity theft; personal income tax forms.
(8) AFNR Technical Knowledge / Skills	1, 7, 8, 10, 12, 13	PAFNR8(A–G)	Advanced occupational skills; individualized training plan; skill self-evaluation; safe tool/equipment operation; costs and maintenance; licensure/certification opportunities.
(9) Documentation / Professional Portfolio	10, 11, 14	PAFNR9(A)(i–viii), PAFNR9(B)	Portfolio documents technical competencies, credentials, recognitions, extended learning, practicum summary, resume, work samples, supervisor evaluation, and stakeholder presentation.

Implementation note: This YAG is designed for a 36-week, two-credit, double-block practicum. Because §127.86 is a capstone course built around supervised practical application, the TEKS are intentionally introduced in focused units and then reinforced throughout students' individual work-based, internship, mentorship, independent-study, or laboratory experiences. The pacing reserves Week 18 and Week 36 for cumulative semester assessments and does not split a unit across semesters.