

# Technical Service Categories and Criteria Options for Certification

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**Note:** This document lists all categories and the options for certification within each category. You only need to meet the criteria for **ONE** option group to satisfy the certification requirements for a category. However, you must meet **ALL** of the criteria within the selected option group. Waivers (or exceptions) to the minimum certification criteria may be considered. Contact the National TSP Team for more information.

Categories	Options	Criteria
AgroForestry		Start Date: 2/1/2006 ; End Date: Alley Cropping (311); Firebreak (394); Multi-Story Cropping (379); Recreation Area Improvement (562); Riparian Forest Buffer (391); Silvopasture Establishment (381); Windbreak/Shelterbelt Establishment (380); Windbreak/Shelterbelt Renovation (650);
	Agroforestry Option 1 - Certification	<u>Agroforestry Certification</u> : Full Membership in the Association of Consulting Foresters of America, Incorporated (ACF), or hold a current certification as a Certified Forester by the Society of American Foresters (SAF). <u>State Required Certification or licensing</u> : In Section C1 of the TSP profile enter all certifications or licenses if required by state or local law or regulation in which service will be provided. Documentation of certification or a license should be provided to the TSP's resident State TSP Coordinator and to the State TSP Coordinator(s) for the states where certification is being requested.
	Agroforestry Option 2 - Experience	<u>Agroforestry Experience</u> : 5 years experience, knowledge, and knowledge in planning, design, layout, inspection, or managing agroforestry practices associated with this category. <u>Agroforestry References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout and checkout of agroforestry practices. <u>State Required Certification or licensing</u> : In Section C1 of the TSP profile enter all certifications or licenses if required by state or local law or regulation in which service will be provided. Documentation of certification or a license should be provided to the TSP's resident State TSP Coordinator and to the State TSP Coordinator(s) for the states where certification is being requested.
	Agroforestry Option 3 - Education	<u>Agroforestry Education</u> : Bachelor or higher-level degree in forestry or related plant science and 1 years experience and knowledge successfully planning, design, layout, or managing agroforestry practices associated with this category. <u>Agroforestry References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout and checkout of agroforestry practices. <u>State Required Certification or licensing</u> : In Section C1 of the TSP profile enter all certifications or licenses if required by state or local law or regulation in which service will be provided. Documentation of certification or a license should be provided to the TSP's resident State TSP Coordinator and to the State TSP Coordinator(s) for the states where certification is being requested.
Certified Conservation Planner		Start Date: 12/5/2014 ; End Date: Conservation System Planning (CSP);
	Certified Conservation Planner Option 1 - Knowledge and Training	<u>Additional Training</u> : Candidates must document in Section D of the TSP profile successful completion of: 1) Introduction to the Field Office Technical Guide (AgLearn); 2) Cultural Resources Training Part 1 (AgLearn); 3) Erosion Prediction Software (wind and water erosion) Training; and 4) TSP certified conservation planner candidates must complete a State specific training module for each State where planning will be conducted. TSPs obtaining the National certified conservation planner designation will be certified to conduct conservation planning in all States where they have completed the State specific training module. The State Specific Training Modules are located on the TSP Website from the Training Opportunities page or use this direct link to access the page: <a href="http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/technical/tsp/?cid=nrcseprd403442">http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/technical/tsp/?cid=nrcseprd403442</a> <u>Conservation Planning Knowledge</u> : Possess and demonstrate the following knowledge, skills, and abilities: a) Knowledge of national conservation programs; b) Skill in applying the NRCS 9-step conservation planning process; c) Skill in assessing natural resource concerns; d) Ability to plan and implement conservation practices common to the geographic area; e) Knowledge of NRCS FOTG standards and specifications for applicable conservation practices in the State and locality; f) Skill in applying approved erosion prediction technology; g) Skill in using applicable site vulnerability assessment tools; h) Knowledge of Federal, State, territorial, Tribal, and local laws and regulations; i) Ability to accurately complete Form NRCS-CPA-52, "Environmental Evaluation Worksheet"; j) Knowledge of policy and procedures to protect cultural resources and historic properties; and k) Skill in communicating with landowners and operators. <u>Conservation Planning NRCS Training Modules 1-9</u> : TSP certified conservation planner candidates must complete the following additional training. TSPs who have previously completed any of the following courses are not required to take the course again if proof of course completion is provided to the national TSP Program manager 1) Introduction to the Field Office Technical Guide (AgLearn); 2) Environmental Evaluation Series No. 1: Primer on NRCS Environmental Compliance (S&T Library); 3) Environmental

Categories	Options	Criteria
		<p>Evaluation Series No. 2: Documenting the Environmental Evaluation on the NRCS CPA-52 Environmental Evaluation Worksheet (S&amp;T Library); 4) Cultural Resources Training, Part 1 (AgLearn); 5) Introduction to Water Quality (AgLearn); 6) Current wind and water erosion technologies training coordinated through a State NRCS office or an equivalent course approved by the Director, CPTAD; 7) State-specific training module for each State where planning will be conducted (TSP Website); The State Specific Training Modules are located on the TSP Website from the Training Opportunities page or use this direct link to access the page:  <a href="http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/technical/tsp/?cid=nrcseprd403442">http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/technical/tsp/?cid=nrcseprd403442</a> (S&amp;T Library) is found at <a href="http://conservationwebinars.net">http://conservationwebinars.net</a>  <u>RMS Sample Plan and Field Review</u> : TSP certified conservation planner candidates must complete one field-reviewed RMS plan for a conservation management unit with a minimum of two land uses. TSPs seeking planning certification in multiple States are not required to submit additional plans for review. The field reviewed conservation plan will be submitted to the State Conservationist for the State where the plan was developed with a letter from the reviewer acknowledging the field review and recommendation for certification</p>
	<p>Certified Conservation Planner Option 2 - Certification and Recertification</p>	<p><u>Conservation Planning Certification</u> : Possess a current Conservation Planning Certification through NRCS or an NRCS-approved certification program.  <u>Conservation Planning State Specific Training Module(s)</u> : Successful completion of the State specific training module for each State where planning will be conducted. TSPs obtaining the National certified conservation planner designation will be certified to conduct conservation planning in all States where they have completed the State specific training module. The State Specific Training Modules are located on the TSP Website from the Training Opportunities page or use this direct link to access the page:  <a href="http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/technical/tsp/?cid=nrcseprd403442">http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/technical/tsp/?cid=nrcseprd403442</a>  <u>National Maintenance Requirement</u> : Each TSP certified conservation planner designation will be reviewed at least once every 3 years by the State Conservationist or designee in the TSP's resident State. The review will be based on conservation plans completed by the TSP in that State during the time period being reviewed. (Conservation plans reviewed may be progressive, so an RMS planned level of treatment is not required.) If a TSP did not develop any conservation plans in the resident State during the review period, the State Conservationist of the TSP's resident State, after consultation with the national TSP Program manager, will have the review completed by a State where the TSP did work during the review period. Refer to policy in 440-CPM, Part 504, Subpart C, Section 504.26B(2) for plan reviews outside of resident States. If a TSP has not developed any conservation plans in the past 3 years, a new plan following current Certified Conservation Planner Policy must be prepared for review. as outlined in section 409.9D(12)(iv).</p>
<p>Channel and Streambank Stabilization</p>		<p>Start Date: 3/1/2003 ; End Date:  Channel Bed Stabilization (584); Clearing and Snagging (326); Critical Area Planting (342); Obstruction Removal (500); Open Channel (582); Stream Crossing (578); Streambank and Shoreline Protection (580);</p>
	<p>Channel Option 1</p>	<p><u>Channel Experience</u> : Experience and knowledge in planning, design, layout, inspection and certification of Channel and Streambank Stabilization practices including any applicable Standards and Specifications.  <u>Channel References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Channel and Streambank Stabilization practices.  <u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is:  <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a>  <u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice.</p>
	<p>Channel Option 2 - Certification</p>	<p><u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice.  <u>Erosion and Sediment Control Certification</u> : Certification in at least one of the following: 1) Be a certified professional in Erosion and Sediment Control by the Certified Professional in Erosion and Sediment Control, Inc (CPESC), 2) Other approved NRCS Certification Program.</p>
<p>CNMP Plan Approval</p>		<p>Start Date: 10/15/2018 ; End Date:  Animal Mortality Facility (316); Composting Facility (317); Conservation Cover (327); Conservation Crop Rotation (328); Constructed Wetland (656); Contour Buffer Strips (332); Contour Farming (330); Cover Crop (340); Cross Wind Ridges (588); Cross Wind Trap Strips (589C); Deep Tillage (324); Diversion (362); Feed Management (592); Field Border (386); Filter Strip (393); Grassed Waterway (412); Heavy Use Area Protection (561); Hedgerow Planting (422); Herbaceous Wind Barriers (603); Hillside Ditch (423); Lined Waterway or Outlet (468); Mulching (484); Nutrient Management (590); Pumping Plant (533); Residue and Tillage Management, No-Till (329); Residue and Tillage Management, Reduced Tillage (345); Rock Barrier (555); Roof Runoff Structure (558); Row Arrangement (557); Stripcropping (585); Structure for Water Control (587); Subsurface Drain (606); Surface Roughening (609); Terrace (600); Underground Outlet (620); Vegetative Barrier (601); Waste Facility Closure (360); Waste Recycling (633); Waste Separation Facility (632); Waste Storage Facility (313); Waste Transfer (634);</p>

Categories	Options	Criteria
		Waste Treatment (629); Waste Treatment Lagoon (359); Waterspreading (640);
	CNMP Plan Approval Option 1 - Certification	<p><u>Certification in at least one of the following</u> : 1) Certified Crop Advisor (CCA) certification from the American Society of Agronomy (ASA), 2) Certified Professional Agronomist (CPAg) certification from the ASA, 3) Certified Professional Soil Scientist (CPSS) certification from the Soil Science Society of America (SSSA), 4) Certified Professional Crop Consultant (CPCC) from the National Alliance of Independent Crop Consultants, 5) Professional Engineer, or 6) other NRCS approved certification program.</p> <p><u>Experience in Plan Development</u> : Must have assisted in the development of CNMPs and provided on-site conservation planning assistance to producers under the supervision of a Certified CNMP planner for at least two (2) years (provide name and contact information of Certified CNMP Planner). Provide two (2) sample plans based on current CNMP CAP criteria from two (2) separate locations and the two (2) associated customer references where technical services have been provided to document your experience and proficiency in the planning, designing, installation/layout, and checkout of the manure and nutrient management practices. At least one (1) of the plans must include the land application of manure and was developed within the last three (3) years, Submit the sample plans for review and approval by email (or send a paper copy by mail) to your resident State TSP Coordinator. Sample plans must demonstrate knowledge and understanding of CNMP policy contained in GM 190, Part 405, CNMP Technical Criteria contained in each State Field Office Technical Guide, livestock and/or poultry animal feeding operations, manure transfer systems, manure treatment systems, manure/waste storage systems, fertilizer and manure management, NRCS nutrient management policy, CPS 590, National Planning Procedures Handbook, and proficient use of erosion prediction and nutrient transport risk assessment tools (including nitrogen leaching Index, state phosphorus index, and current erosion prediction tools).</p> <p><u>State Specific Training Module</u> : Complete each State's Certified Conservation Planner, State Specific Training Module(s) for each State seeking CNMP Certification located on the TSP Website: <a href="http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/technical/tsp/?cid=nrceprd403442">http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/technical/tsp/?cid=nrceprd403442</a>.</p> <p><u>Training</u> : Successful completion of the NRCS approved training courses (available in AgLearn or in the NRCS Science and Technology (S&amp;T) Library <a href="http://www.conservationwebinars.net">www.conservationwebinars.net</a>): TSP Orientation and Conservation Planning (AgLearn Course NRCS-NEDC-000191); Introduction to Field Office Technical Guide (AgLearn Course NRCS-NEDC-000149); Nutrient Management, Part 1, Track 1 (AgLearn Course NRCS-NHQ-000083); NRCS Agricultural Waste Management Systems, A Primer (AgLearn Course Web-based NRCS-NEDC-000115); NRCS Agricultural Waste Management Systems, Level 2 (AgLearn Course Web-based NRCS-NEDC-000116);; Water Quality Webinar” series, No. 1-3: “Overview of Water Quality Resource Assessment” (AgLearn Course NRCS-NHQ-000038), “Nitrogen Management and Concerns” (AgLearn Course NRCS-NHQ-000039), and “Phosphorous Management and Concerns” (AgLearn Course NRCS-NHQ-000040); Conservation Planning Part 2 (S&amp;T Library); Air Quality Assessment Tool Webinar – Dairy, Swine or Poultry (S&amp;T Library); “Environmental Evaluation Webinar Series modules 1-2” (S&amp;T Training Library): No. 1: Primer on NRCS Environmental compliance and No. 2: Documenting the Environmental Evaluation on the NRCS-CPA-52; Assessment tools training specific to location (State); Basic Soils and Web Soil Survey (state); The State Conservationist, in consultation with the Director, CPTAD, may grant approval for course equivalency in lieu of any required State or national NRCS training course.</p>
	CNMP Plan Approval Option 2 - Education and Experience	<p><u>Education</u> : Bachelor or higher-level degree in agronomy, soil science, plant science, or related nutrient management studies.</p> <p><u>Experience</u> : At least two (2) year of experience and knowledge in planning, design, layout, of manure and nutrient management practices.</p> <p><u>Experience in Plan Development</u> : Must have assisted in the development of CNMPs and provided on-site conservation planning assistance to producers under the supervision of a Certified CNMP planner for at least two (2) years (provide name and contact information of Certified CNMP Planner). Provide two (2) sample plans based on current CNMP CAP criteria from two (2) separate locations and the two (2) associated customer references where technical services have been provided to document your experience and proficiency in the planning, designing, installation/layout, and checkout of the manure and nutrient management practices. At least one (1) of the plans must include the land application of manure and was developed within the last three (3) years, Submit the sample plans for review and approval by email (or send a paper copy by mail) to your resident State TSP Coordinator. Sample plans must demonstrate knowledge and understanding of CNMP policy contained in GM 190, Part 405, CNMP Technical Criteria contained in each State Field Office Technical Guide, livestock and/or poultry animal feeding operations, manure transfer systems, manure treatment systems, manure/waste storage systems, fertilizer and manure management, NRCS nutrient management policy, CPS 590, National Planning Procedures Handbook, and proficient use of erosion prediction and nutrient transport risk assessment tools (including nitrogen leaching Index, state phosphorus index, and current erosion prediction tools).</p> <p><u>State Specific Training Module</u> : Complete each State's Certified Conservation Planner, State Specific Training Module(s) for each State seeking CNMP Certification located on the TSP Website: <a href="http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/technical/tsp/?cid=nrceprd403442">http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/technical/tsp/?cid=nrceprd403442</a>.</p> <p><u>Training</u> : Successful completion of the NRCS approved training courses (available in AgLearn or in the NRCS Science and Technology (S&amp;T) Library <a href="http://www.conservationwebinars.net">www.conservationwebinars.net</a>): TSP Orientation and Conservation Planning (AgLearn Course NRCS-NEDC-000191); Introduction to Field Office Technical Guide (AgLearn Course NRCS-NEDC-000149); Nutrient Management, Part 1, Track 1 (AgLearn Course NRCS-NHQ-000083); NRCS Agricultural Waste Management Systems, A Primer (AgLearn Course</p>

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		<p>Web-based NRCS-NEDC-000115); NRCS Agricultural Waste Management Systems, Level 2 (AgLearn Course Web-based NRCS-NEDC-000116);; Water Quality Webinar” series, No. 1-3: “Overview of Water Quality Resource Assessment” (AgLearn Course NRCS-NHQ-000038), “Nitrogen Management and Concerns” (AgLearn Course NRCS-NHQ-000039), and “Phosphorous Management and Concerns” (AgLearn Course NRCS-NHQ-000040); Conservation Planning Part 2 (S&amp;T Library); Air Quality Assessment Tool Webinar – Dairy, Swine or Poultry (S&amp;T Library); “Environmental Evaluation Webinar Series modules 1-2” (S&amp;T Training Library): No. 1: Primer on NRCS Environmental compliance and No. 2: Documenting the Environmental Evaluation on the NRCS-CPA-52; Assessment tools training specific to location (State); Basic Soils and Web Soil Survey (state); The State Conservationist, in consultation with the Director, CPTAD, may grant approval for course equivalency in lieu of any required State or national NRCS training course.</p>
	<p>CNMP Plan Approval Option 3 - Experience</p>	<p><u>Experience</u> : Four (4) years of crop advising experience working with farmers on crop production, installing soil conservation practices, manure and nutrient management planning and implementation, or to meet state or federal regulations that are related to crop production such as conservation compliance. <u>Experience in Plan Development</u> : Must have assisted in the development of CNMPs and provided on-site conservation planning assistance to producers under the supervision of a Certified CNMP planner for at least two (2) years (provide name and contact information of Certified CNMP Planner). Provide two (2) sample plans based on current CNMP CAP criteria from two (2) separate locations and the two (2) associated customer references where technical services have been provided to document your experience and proficiency in the planning, designing, installation/layout, and checkout of the manure and nutrient management practices. At least one (1) of the plans must include the land application of manure and was developed within the last three (3) years, Submit the sample plans for review and approval by email (or send a paper copy by mail) to your resident State TSP Coordinator. Sample plans must demonstrate knowledge and understanding of CNMP policy contained in GM 190, Part 405, CNMP Technical Criteria contained in each State Field Office Technical Guide, livestock and/or poultry animal feeding operations, manure transfer systems, manure treatment systems, manure/waste storage systems, fertilizer and manure management, NRCS nutrient management policy, CPS 590, National Planning Procedures Handbook, and proficient use of erosion prediction and nutrient transport risk assessment tools (including nitrogen leaching Index, state phosphorus index, and current erosion prediction tools). <u>State Specific Training Module</u> : Complete each State's Certified Conservation Planner, State Specific Training Module(s) for each State seeking CNMP Certification located on the TSP Website: <a href="http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/technical/tsp/?cid=nrcseprd403442">http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/technical/tsp/?cid=nrcseprd403442</a>. <u>Training</u> : Successful completion of the NRCS approved training courses (available in AgLearn or in the NRCS Science and Technology (S&amp;T) Library <a href="http://www.conservationswebinars.net">www.conservationswebinars.net</a>): TSP Orientation and Conservation Planning (AgLearn Course NRCS-NEDC-000191); Introduction to Field Office Technical Guide (AgLearn Course NRCS-NEDC-000149); Nutrient Management, Part 1, Track 1 (AgLearn Course NRCS-NHQ-000083); NRCS Agricultural Waste Management Systems, A Primer (AgLearn Course Web-based NRCS-NEDC-000115); NRCS Agricultural Waste Management Systems, Level 2 (AgLearn Course Web-based NRCS-NEDC-000116);; Water Quality Webinar” series, No. 1-3: “Overview of Water Quality Resource Assessment” (AgLearn Course NRCS-NHQ-000038), “Nitrogen Management and Concerns” (AgLearn Course NRCS-NHQ-000039), and “Phosphorous Management and Concerns” (AgLearn Course NRCS-NHQ-000040); Conservation Planning Part 2 (S&amp;T Library); Air Quality Assessment Tool Webinar – Dairy, Swine or Poultry (S&amp;T Library); “Environmental Evaluation Webinar Series modules 1-2” (S&amp;T Training Library): No. 1: Primer on NRCS Environmental compliance and No. 2: Documenting the Environmental Evaluation on the NRCS-CPA-52; Assessment tools training specific to location (State); Basic Soils and Web Soil Survey (state); The State Conservationist, in consultation with the Director, CPTAD, may grant approval for course equivalency in lieu of any required State or national NRCS training course.</p>
<p>Conservation Reserve Program (CRP) Conservation Planning</p>		<p>Start Date: 3/1/2012 ; End Date: Bottomland Timber Establishment on Wetlands (CP31); Cross Wind Trap Strips (CP24); Duck Nesting Habitat (CP37); Emergency Forestry - Bottomland Hardwood - Existing (CP35D); Emergency Forestry - Bottomland Hardwood - New (CP35C); Emergency Forestry - Longleaf Pine - Existing (CP35B); Emergency Forestry - Longleaf Pine - New (CP35A); Emergency Forestry - Mixed Trees - Existing (CP35I); Emergency Forestry - Softwood - Existing (CP35F); Emergency Forestry - Softwood - New (CP35E); Emergency Forestry - Upland Hardwood - Existing (CP35H); Emergency Forestry - Upland Hardwood - New (CP35G); Establishment of Permanent Introduced Grasses and Legumes (CP1); Establishment of Permanent Native Grasses (CP2); Establishment of Permanent Salt Tolerant Vegetative Cover, Noneasement (CP18C); Establishment of Permanent Vegetation to Reduce Salinity, Noneasement (CP18B); Establishment of Permanent Vegetative Cover (Contour Grass Strips), Noneasement (CP15A); Establishment of Permanent Vegetative Cover (Contour Grass Strips), on Terraces (CP15B); Farmable Wetland Buffer (CP28); Farmable Wetlands (CP27); Field Windbreak Establishment, Noneasement (CP5A); Filter Strips (CP21); FWP Aquaculture Wetland Restoration (CP40); FWP Constructed Wetland (CP39); FWP Flooded Prairie Wetland (CP41); Grass Waterways, Noneasement (CP8A); Habitat Buffers for Upland Birds (CP33); Hardwood Tree Planting (CP3A); Living Snow Fences, Noneasement (CP17A); Longleaf Pine - Establishment (CP36); Marginal Pastureland Wetland Buffer (CP30); Marginal Pastureland Wildlife Habitat Buffe (CP29); Permanent Wildlife Habitat (Corridors), Noneasement (CP4B); Permanent Wildlife Habitat Noneasement (CP4D); Pollinator Habitat (CP42); Rare and Declining Habitat (CP25); Riparian Buffer (CP22); SAFE - Buffers (CP38A); SAFE - Grass (CP38E); SAFE -</p>

Categories	Options	Criteria
		Longleaf Pine (CP38D); SAFE - Trees (CP38C); SAFE - Wetlands (CP38B); Shallow Water Areas for Wildlife (CP9); Shelterbelt Establishment, Noneasement (CP16A); Tree Planting (CP3); Vegetative Cover - Grass - Already Established (CP10); Vegetative Cover - Trees - Already Established (CP11); Wetland Restoration (CP23); Wetland Restoration, Non-Floodplain (CP23A); Wildlife Food Plot (CP12);
	Option 1 - Knowledge and Training	<p><u>Conservation Planning for CRP Lands</u> : Complete the CRP Readiness Program for CRP conservation planning through the University of Wisconsin-Great Lakes Regional Professional Training Program or an equivalent NRCS approved Conservation Planning Training for CRP lands. Training to maintain conservation planning skills must, at a minimum, occur once every three years.</p> <p><u>Conservation Planning References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of CRP Conservation Planning practices</p> <p><u>CRP Conservation Planning Knowledge, Skills, and Abilities</u> : Posses and demonstrates the following knowledge, skills and abilities: a) Awareness of the specific CRP rules and regulations used to carry out conservation treatment b) Skill in applying the NRCS conservation planning process c) Ability to plan and implement CRP conservation practices common to the geographic area d) Skill in applying approved erosion prediction technology for the area (RUSLE2, Wind Erosion Prediction System, identify ephemeral/gully erosion and recommend treatment) e) Knowledge of NRCS Field Office Technical Guide standards and specifications for applicable conservation practices in the states and localities to be serviced f) Skill in using applicable site assessment tools (Wildlife Habitat Assessment Guides, Ecological Site Descriptions, etc.) g) Knowledge of Federal, State, tribal, and local laws and regulations. h) Ability to evaluate the environmental effects of conservation treatment alternatives through the Environmental Evaluation Worksheet (NRCS-CPA-52) if required by States where CRP Conservation planning will occur.</p>
Contaminate Reduction Control		Start Date: 3/1/2003 ; End Date: Agrichemical Handling Facility (309); Anionic Polyacrylamide (PAM) Erosion Control (450); Emergency Animal Mortality Management (368); On-Farm Secondary Containment Facility (319); Pond Sealing or Lining, Flexible Membrane (521A); Salinity & Sodic Soil Management (610);
	Contaminate Reduction Option 1	<p><u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is: <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a></p> <p><u>Contaminate Reduction Experience</u> : Experience and knowledge in planning, design, layout, inspection and certification of contaminate reduction and control practices including any applicable Standards and Specifications.</p> <p><u>Contaminate Reduction References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Contaminate Reduction Control practices.</p> <p><u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice.</p>
Cultural Resources Compliance Studies		Start Date: 4/3/2003 ; End Date: ( );
	Cultural Resources Option 1	<p><u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is: <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a></p> <p><u>Cultural Resources - Experience</u> : Cultural Resources survey, identification, evaluation and treatment knowledge, education, and report-writing experience. Meet the Secretary of Interior Professional Qualification Standards and Guidelines for Archaeology and Historic Preservation found at <a href="http://www.cr.nps.gov/local-law/arch_stnds_9.htm">http://www.cr.nps.gov/local-law/arch_stnds_9.htm</a> for the relevant areas of expertise and demonstrated knowledge of the geographic region or state in which the service is to be performed. The areas of expertise may include archaeology, history, historic architecture, historic landscape architecture, ethnology, and/or ethnography.</p> <p><u>Cultural Resources - NRCS Training</u> : Cultural Resources -NRCS Training: Complete Modules 1-8 of the current NRCS Cultural Resources Training. This includes successful completion of the web-based Modules 1-6 and optional state-based Modules 7&amp;8. Provisions for completion of Modules 7&amp;8 are to be made through the NRCS State Office of the state in which the service is to be provided. Equivalencies may be approved by the State Conservationist. The web site for Modules 1-6 of the training is <a href="http://www.nedc.nrcs.usda.gov/catalog/cultres.html">www.nedc.nrcs.usda.gov/catalog/cultres.html</a>.</p> <p><u>Cultural Resources - References</u> : Provide at least 2 professional references (including one from the State Historic Preservation Officer and/or Tribal Historic Preservation Officer, if possible) who can verify your qualifications, including experience, in local, state and regional Section 106 cultural resources compliance studies and report writing.</p> <p><u>Cultural Resources and/or Archaeological Permits – State and Tribal</u> : Cultural Resources and/or Archaeological Permits – State, Tribal, and/or Archaeological Resources Protection Act (ARPA): A current cultural resources and/or archaeological permit (including ARPA Permit) and associated permits</p>

Categories	Options	Criteria
		(including special use permits for certain public lands) as required by State or Tribal law in the state of practice, on tribal lands, or on public lands, as appropriate.
Energy – Reduce Use		Start Date: 1/11/2012 ; End Date: Building Envelope Improvement (672); Farmstead Energy Improvement (374); Lighting System Improvement (670);
	Energy - Reduce Use - Option 1 - Engineer	<u>Experience</u> : Provide documentation of work performed for two of the three references requested below, i.e., plan design, installation/layout/inspection, and checkout of energy improvements on agricultural operations. <u>Professional Engineering Licensing</u> : Candidates using this option must have the following documented in Section C1 of the TSP profile: (1) Hold a current state Professional Engineer (PE) license for any state. <u>Professional Engineering Licensing</u> : In Section C1 of the TSP profile enter all certifications or licenses required by state or local law or regulation in which service will be provided: (1) Professional Engineering license for this state; and (2) any other state specific required certification, license or registration. Documentation of certification or a license should be emailed to the State TSP Coordinator for all states where certification is being requested. <u>References</u> : Provide three Energy Efficiency Program contacts or customer references where technical service has been provided that can verify your experience and proficiency in planning, designing, installation/layout/inspection, and checkout of energy improvements performed on agricultural operations.
Feed Management		Start Date: 2/1/2006 ; End Date: Feed Management (592);
	Feed Management Option 1- Knowledge, Experience, Training, and Education	<u>Customer Reference</u> : In Section E1 of TSP Profile, provide one (1) customer reference where technical service has been provided that can verify your experience and proficiency in the planning, designing, installation, and checkout of the conservation practice. <u>Educational Degree</u> : Candidates using this option must document in Section D of the TSP profile they possess a bachelor's degree in one of the Animal Sciences with an emphasis in nutrition. <u>State Required Certification or licensing</u> : In Section C1 of the TSP profile enter all certifications or licenses if required by state or local law or regulation in which service will be provided. Documentation of certification or a license should be provided to the TSP's resident State TSP Coordinator and to the State TSP Coordinator(s) for the states where certification is being requested. <u>Work Experience</u> : Candidates using this option must document in Section E of the TSP profile they possess two (2) years professional experience in providing technical assistance in feed rations to produce livestock. Candidates should document in their work experience they possess the knowledge and ability to: (1) discuss feed management technologies and feeding techniques as described in the NRCS conservation practice standard for feed management (Code 592) with producers during the planning process; (2) discuss how their use can change the nutrient content of excreted animal manure; (3) discuss the sources of feed management technical assistance that are available in the area(s) in which the planner is providing assistance; and (4) enable producers to make a decision of the potential value of including feed management in their conservation plan.
	Feed Management Option 2-Professional Certification	<u>Animal Feed References</u> : Provide two locations or customer references where practice has been installed that can verify experience and proficiency in developing animal diets and feeding strategies that conform to the requirements of the NRCS conservation practice standard for feed management. <u>Animal Scientist Certification</u> : Certification as a Professional Animal Scientist through the American Registry of Professional Animal Scientists (ARPAS); or a NRCS approved training program.
Fisheries		Start Date: 2/1/2006 ; End Date: Fishpond Management (399);
	Fisheries Option 1 - Certification	<u>Certified Fishery Professional with AFS</u> : Be a certified fishery professional by The American Fisheries Society (AFS). <u>Fisheries Experience 2 years</u> : Have 2 years experience in planning, design, installation/layout, and checkout of practices associated with Fisheries. <u>Fisheries References</u> : Provide two locations or customer references where technical service has been provided that can verify your fisheries experience and proficiency in planning, designing, installation/layout, and checkout of appropriate practices.
	Fisheries Option 2 - Education	<u>Fisheries Education</u> : Bachelor or higher-level degree in fisheries science or other related sciences. <u>Fisheries Experience 2 years</u> : Have 2 years experience in planning, design, installation/layout, and checkout of practices associated with Fisheries. <u>Fisheries References</u> : Provide two locations or customer references where technical service has been provided that can verify your fisheries experience and proficiency in planning, designing, installation/layout, and checkout of appropriate practices.
Fisheries Interdisciplinary Biological/Engineering		Start Date: 2/1/2006 ; End Date: Aquaculture Ponds (397); Aquatic Organism Passage (396); Fish Raceway or Tank (398); Stream Habitat Improvement and Management (395);

Categories	Options	Criteria
	Fisheries Interdisciplinary Option 1 - Certification	<u>Certified Fisheries Biologist</u> : Be a certified fisheries biologist by the American Fisheries Society. <u>Fisheries Interdisciplinary Experience</u> : Have 1 year experience in planning, design, installation/layout, and checkout of practices associated with this category. <u>Fisheries References</u> : Provide two locations or customer references where technical service has been provided that can verify your fisheries experience and proficiency in planning, designing, installation/layout, and checkout of appropriate practices.
	Fisheries Interdisciplinary Option 2 - Engineers License	<u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice. <u>Fisheries Interdisciplinary References</u> : Provide two locations or customer references where technical service has been provided that can verify your fisheries experience and proficiency in planning, designing, installation/layout and checkout of appropriate practices. <u>Fisheries Interdisciplinary Experience</u> : Have 1 year experience in planning, design, installation/layout, and checkout of practices associated with this category. <u>Fisheries Interdisciplinary Knowledge</u> : Be knowledgeable of the interdisciplinary nature of the associated practices as it relates to biological and engineering components.
	Fisheries Interdisciplinary Option 3 - Education	<u>Fisheries Education</u> : Bachelor or higher-level degree in fisheries science or other related sciences. <u>Fisheries Interdisciplinary References</u> : Provide two locations or customer references where technical service has been provided that can verify your fisheries experience and proficiency in planning, designing, installation/layout and checkout of appropriate practices. <u>Fisheries Interdisciplinary Experience</u> : Have 1 year experience in planning, design, installation/layout, and checkout of practices associated with this category.
Forestry		Start Date: 2/1/2006 ; End Date: Access Control (472); Brush Management (314); Critical Area Planting (342); Firebreak (394); Forest Stand Improvement (666); Forest Trails and Landings (655); Fuel Break (383); Herbaceous Weed Treatment (315); Recreation Area Improvement (562); Riparian Forest Buffer (391); Road/Trail/Landing Closure and Treatment (654); Silvopasture Establishment (381); Tree/Shrub Establishment (612); Tree/Shrub Pruning (660); Tree/Shrub Site Preparation (490); Woody Residue Treatment (384);
	Forestry Option 1 - Knowledge, Education and Experience	<u>Customer Reference</u> : In Section E1 of TSP Profile, provide one (1) customer reference where technical service has been provided that can verify your experience and proficiency in the planning, designing, installation, and checkout of the conservation practice. <u>Educational Degree 2</u> : Candidates using this option must document in Section D of the TSP profile that they possess either: (1) Bachelor's or higher level degree in Forestry or a related plant science where coursework is distributed among the categories of: ecology and forest biology; measurement of forest resources; management of forest resources; and, forest resource policy, economics, and administration; or, (2) Associate's degree in Forestry or a related plant science and an additional 18 semester credits of coursework in Forestry at the junior/senior baccalaureate level or higher, where the additional 18 credits of coursework are distributed among the categories of: ecology and forest biology; measurement of forest resources; management of forest resources; and, forest resource policy, economics, and administration. <u>State Required Certification or licensing</u> : In Section C1 of the TSP profile enter all certifications or licenses if required by state or local law or regulation in which service will be provided. Documentation of certification or a license should be emailed to the State TSP Coordinator for all states where certification is being requested. <u>Work Experience 2</u> : Candidates using this option must document in Section E of the TSP profile that they possess five (5) years of professional experience providing consulting or technical assistance to clients on forest management and related practices.
	Forestry Option 2 - Professional Certification	<u>Professional Certification</u> : Candidates using this option must have one of the following documented in Section C1 of the TSP profile: (1) Certified Forester through the Society of American Foresters (SAF); or (2) Full Membership in the Association of Consulting Foresters of America, Incorporated (ACF). <u>State Required Certification or licensing</u> : In Section C1 of the TSP profile enter all certifications or licenses if required by state or local law or regulation in which service will be provided. Documentation of certification or a license should be emailed to the State TSP Coordinator for all states where certification is being requested.
Grazing/Forages		Start Date: 2/1/2006 ; End Date: Access Control (472); Brush Management (314); Fence (382); Firebreak (394); Forage and Biomass Planting (512); Forage Harvest Management (511); Grazing Land Mechanical Treatment (548); Heavy Use Area Protection (561); Integrated Pest Management (IPM) (595); Livestock Shelter Structure (576); Nutrient Management (590); Prescribed Grazing (528); Range Planting (550); Trails and Walkways (575);
	Grazing Option 1 - Certification	<u>Grazing Certification</u> : Certification by at least one of the following: Certified Range Management Consultant by Society for Range Management (SRM). Certified Grassland Professional by the American Forage and Grassland Council (AFGC). Crop Certification through the National Alliance of Independent Crop Consultants (NAICC).
	Grazing Option 2 - Education & Experience	<u>Grazing Education</u> : Bachelor or higher level degree in agronomy, agriculture, or other plant science and 1 years of experience and knowledge successfully planning, design, layout, or managing Grazing/Forage

Categories	Options	Criteria
		<p>practices associated with this category.  <u>Grazing Experience</u> : 5 Years experience in planning, design, layout, inspection, or managing Grazing/Forages practices associated with this category.  <u>Grazing References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Grazing/Forages practices.</p>
Irrigation (Water Conveyance)		<p>Start Date: 3/1/2003 ; End Date:  Critical Area Planting (342); Irrigation Canal or Lateral (320); Irrigation Ditch Lining (428); Irrigation Field Ditch (388); Irrigation Land Leveling (464); Irrigation Pipeline (430); Pumping Plant (533); Structure for Water Control (587); Underground Outlet (620);</p>
	Irrigation Conveyance Option 1 - Licensed Engineer	<p><u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is:  <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a>  <u>Irrigation Conveyance Experience</u> : Experience in the planning, design, layout, inspection of irrigation water conveyance practices including any applicable Standards and Specifications.  <u>Irrigation Conveyance References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Irrigation (Water Conveyance) practices.  <u>Professional Engineering Licensing</u> : Candidates using this option must document in Section C1 of the TSP profile they possess a current Professional Engineering License in a state. Documentation of license should be emailed to the State TSP Coordinator for all states where certification is being requested.  <u>State Required Certification or licensing</u> : In Section C1 of the TSP profile enter all certifications or licenses if required by state or local law or regulation in which service will be provided. Documentation of certification or a license should be provided to the TSP's resident State TSP Coordinator and to the State TSP Coordinator(s) for the states where certification is being requested.</p>
	Irrigation Conveyance Option 2 - IA Certification (Engr License not Required)	<p><u>Certified Irrigation Designer(CID) from Irrigation Association</u> : Irrigation Association (IA) certification as a Certified Irrigation Designer (CID) – Agriculture: Drip/Micro, Sprinkler, or Surface;  <u>Irrigation Conveyance References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Irrigation (Water Conveyance) practices.  <u>State Required Certification or licensing</u> : In Section C1 of the TSP profile enter all certifications or licenses if required by state or local law or regulation in which service will be provided. Documentation of certification or a license should be provided to the TSP's resident State TSP Coordinator and to the State TSP Coordinator(s) for the states where certification is being requested.</p>
Irrigation System (Application)		<p>Start Date: 3/1/2003 ; End Date:  Anionic Polyacrylamide (PAM) Erosion Control (450); Critical Area Planting (342); Fence (382); Irrigation System, Microirrigation (441); Irrigation System, Surface and Subsurface (443); Irrigation System, Tailwater Recovery (447); Irrigation Water Management (449); Pumping Plant (533); Salinity &amp; Sodic Soil Management (610); Sprinkler System (442);</p>
	Irrigation Application Option 1 - Licensed Engineer	<p><u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is:  <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a>  <u>Irrigation Application Experience</u> : Experience in the planning, design, implementation and management of irrigation systems application practices including any applicable Standards and Specifications.  <u>Irrigation Application References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Irrigation System (Application) practices.  <u>Professional Engineering Licensing</u> : Candidates using this option must document in Section C1 of the TSP profile they possess a current Professional Engineering License in a state. Documentation of license should be emailed to the State TSP Coordinator for all states where certification is being requested.  <u>State Required Certification or licensing</u> : In Section C1 of the TSP profile enter all certifications or licenses if required by state or local law or regulation in which service will be provided. Documentation of certification or a license should be provided to the TSP's resident State TSP Coordinator and to the State TSP Coordinator(s) for the states where certification is being requested.</p>
	Irrigation Application Option 2 - IA Certification (Engr License not Required)	<p><u>Certified Irrigation Designer(CID) from Irrigation Association</u> : Irrigation Association (IA) certification as a Certified Irrigation Designer (CID) – Agriculture: Drip/Micro, Sprinkler, or Surface;  <u>Engineers License - No State Requirement</u> : A current Professional Engineers license as required by law in the state of practice. If there is no state requirement then document that no professional engineer license is required by State for the applicable practices within this category.  <u>Irrigation Application References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Irrigation System (Application) practices.</p>



Categories	Options	Criteria
Irrigation Water Management		Start Date: 2/1/2006 ; End Date: Irrigation Water Management (449);
	Irrigation Water Mgt Option 1 - Certification	<u>Irrigation Water Mgt Certification</u> : Certification with at least one of the following: 1) Irrigation Association (IA) Certification as a Certified Irrigation Designer (CID) – Agriculture: Drip/Micro, Sprinkler, or Surface; or 2) an Irrigation Association (IA), Certified Agricultural Irrigation Specialist (CAIS), 3) Crop Certification through the National Alliance of Independent Crop Consultants (NAICC). <u>Irrigation Water Mgt References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Irrigation Water Management practices. <u>State Required Certification or licensing</u> : In Section C1 of the TSP profile enter all certifications or licenses if required by state or local law or regulation in which service will be provided. Documentation of certification or a license should be provided to the TSP's resident State TSP Coordinator and to the State TSP Coordinator(s) for the states where certification is being requested.
	Irrigation Water Mgt Option 2 - Education	<u>Irrigation Water Mgt Education</u> : Bachelor or higher level degree in agronomy, agriculture, or other plant science and 1 year of experience and knowledge successfully planning, design, layout, or inspection of irrigation water management practices associated with this category. <u>Irrigation Water Mgt References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Irrigation Water Management practices. <u>State Required Certification or licensing</u> : In Section C1 of the TSP profile enter all certifications or licenses if required by state or local law or regulation in which service will be provided. Documentation of certification or a license should be provided to the TSP's resident State TSP Coordinator and to the State TSP Coordinator(s) for the states where certification is being requested.
	Irrigation Water Mgt Option 3 - Experience	<u>Irrigation Water Mgt - Experience</u> : 5 years experience and knowledge in planning, design, layout, inspection and certification of irrigation water practice practices including any applicable Standards and Specifications. <u>Irrigation Water Mgt References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Irrigation Water Management practices. <u>State Required Certification or licensing</u> : In Section C1 of the TSP profile enter all certifications or licenses if required by state or local law or regulation in which service will be provided. Documentation of certification or a license should be provided to the TSP's resident State TSP Coordinator and to the State TSP Coordinator(s) for the states where certification is being requested.
	Irrigation Water Mgt Option 4 - Licensed Engineer	<u>Irrigation Water Mgt - Experience</u> : 5 years experience and knowledge in planning, design, layout, inspection and certification of irrigation water practice practices including any applicable Standards and Specifications. <u>Irrigation Water Mgt References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Irrigation Water Management practices. <u>Professional Engineering Licensing</u> : Candidates using this option must document in Section C1 of the TSP profile they possess a current Professional Engineering License in a state. Documentation of license should be emailed to the State TSP Coordinator for all states where certification is being requested. <u>State Required Certification or licensing</u> : In Section C1 of the TSP profile enter all certifications or licenses if required by state or local law or regulation in which service will be provided. Documentation of certification or a license should be provided to the TSP's resident State TSP Coordinator and to the State TSP Coordinator(s) for the states where certification is being requested.
Land Shaping		Start Date: 3/1/2003 ; End Date: Bedding (310); Critical Area Planting (342); Irrigation Land Leveling (464); Land Clearing (460); Land Reclamation, Landslide Treatment (453); Land Reconstruction, Abandoned Mined Land (543); Land Smoothing (466); Obstruction Removal (500); Precision Land Forming (462); Recreation Land Grading and Shaping (566); Spoil Spreading (572);
	Land Shaping Option 1- Licensed Engineer	<u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is: <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a> <u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice. <u>Land Shaping Experience</u> : Experience in planning, design, layout, inspection and certification of Land shaping practices including any applicable Standards and Specifications. <u>Land Shaping References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Land Shaping practices.
	Land Shaping Option 2 - Certification	<u>Land Shaping (noPE)Experience</u> : Experience in planning, design, layout, inspection and certification of land shaping practices that do not require a professional engineering license.

Categories	Options	Criteria
		<p><u>Land Shaping Certification</u> : Be a certified professional in Erosion and Sediment Control by the Certified Professional in Erosion and Sediment Control, Inc (CPESC).</p> <p><u>Land Shaping Experience</u> : Experience in planning, design, layout, inspection and certification of Land shaping practices including any applicable Standards and Specifications.</p>
Land Treatment - Buffer		<p>Start Date: 3/1/2003 ; End Date:            Contour Buffer Strips (332); Cross Wind Trap Strips (589C); Field Border (386); Filter Strip (393); Hedgerow Planting (422); Herbaceous Wind Barriers (603); Vegetative Barrier (601);</p>
	Buffer Option 1 - AgCertification	<p><u>Agronomic Certification</u> : Have one of the following certifications: 1) Crop Certification through the National Alliance of Independent Crop Consultants (NAICC), or 2) Be a certified professional in Erosion and Sediment Control by the Certified Professional in Erosion and Sediment Control, Inc (CPESC).</p> <p><u>Buffer References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Buffer practices.</p> <p><u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is:  <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a></p>
	Buffer Option 2 - Experience	<p><u>Buffer Experience</u> : 5 years experience and knowledge in planning, design, layout, inspection and certification of buffer conservation practices associated with this category. Proficient with the use of applicable erosion prediction tools (RUSLE2 and/or WEQ) to access erosion rates on land upslope of the areas on which buffers are to be installed.</p> <p><u>Buffer References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Buffer practices.</p> <p><u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is:  <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a></p>
	Buffer Option 3 - Education	<p><u>Buffer Education</u> : Bachelor or higher level degree in agronomy, agriculture, or other plant science and 1 year of experience and knowledge successfully planning, design, layout, or inspection of buffer conservation practices associated with this category.</p> <p><u>Buffer References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Buffer practices.</p> <p><u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is:  <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a></p>
Land Treatment - Surface Water Management		<p>Start Date: 3/1/2003 ; End Date:            Critical Area Planting (342); Diversion (362); Grassed Waterway (412); Hillside Ditch (423); Lined Waterway or Outlet (468); Rock Barrier (555); Roof Runoff Structure (558); Row Arrangement (557); Stormwater Runoff Control (570); Structure for Water Control (587); Subsurface Drain (606); Terrace (600); Underground Outlet (620); Waterspreading (640);</p>
	Surface Water Mgt Option 1 - Licensed Engineer	<p><u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is:  <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a></p> <p><u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice.</p> <p><u>Surface Water Mgt Experience</u> : Experience in planning, design, layout, inspection and certification of surface water management practices including any applicable Standards and Specifications.</p> <p><u>Surface Water Mgt References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Surface Water Management practices.</p>
Land Treatment - Tillage and Erosion		<p>Start Date: 2/1/2006 ; End Date:            Conservation Crop Rotation (328); Contour Farming (330); Contour Orchard and Other Perennial Crops (331); Controlled Traffic Farming (334); Cross Wind Ridges (588); Deep Tillage (324); Field Operations Emissions Reduction (376); High Tunnel System (325); Residue and Tillage Management, No-Till (329); Residue and Tillage Management, Reduced Tillage (345); Stripcropping (585); Surface Roughening (609);</p>
	Tillage Option 1 - Certification	<p><u>Land Treatment Tillage and Erosion Certification</u> : Certification with at least one of the following: 1) CCA- Certified Crop Advisor certification from the American Society of Agronomy (ASA), 2) CPSSc- Certified Professional Soil Scientist certification from the American Society of Agronomy (ASA), 3) CPCSc- Certified Professional Crop Scientist certification from the American Society of Agronomy</p>

Categories	Options	Criteria
		(ASA), 4) CPAg- Certified Professional Agronomist certification from the American Society of Agronomy (ASA), 5) Be a certified professional in Erosion and Sediment Control by the Certified Professional in Erosion and Sediment Control, Inc (CPESC), 6) Crop Certification through the National Alliance of Independent Crop Consultants (NAICC). <u>Tillage RUSLE Experience</u> : Proficient with the use of applicable erosion prediction tools (RUSLE2 and/or WEQ). Ability to use RUSLE2, SCI (in RUSLE2), and WEQ as applicable.
	Tillage Option 2 - Experience	<u>Tillage Experience</u> : 5 years experience and knowledge in planning, design, layout, inspection, or managing tillage practices associated with this category. <u>Tillage References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Tillage and Erosion practices. <u>Tillage RUSLE Experience</u> : Proficient with the use of applicable erosion prediction tools (RUSLE2 and/or WEQ). Ability to use RUSLE2, SCI (in RUSLE2), and WEQ as applicable.
	Tillage Option 3 - Education	<u>Tillage Education</u> : Bachelor or higher level degree in agronomy, agriculture, or other plant science and 1 years of experience and knowledge successfully planning, design, layout, or managing tillage practices associated with this category. <u>Tillage References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Tillage and Erosion practices. <u>Tillage RUSLE Experience</u> : Proficient with the use of applicable erosion prediction tools (RUSLE2 and/or WEQ). Ability to use RUSLE2, SCI (in RUSLE2), and WEQ as applicable.
Land Treatment - Vegetative Land Stabilization		Start Date: 2/1/2006 ; End Date: Conservation Cover (327); Cover Crop (340); Mulching (484);
	Vegetative Option 1 - Certification	<u>Agronomic Certification</u> : Have one of the following certifications: 1) Crop Certification through the National Alliance of Independent Crop Consultants (NAICC), or 2) Be a certified professional in Erosion and Sediment Control by the Certified Professional in Erosion and Sediment Control, Inc (CPESC). <u>Vegetative Tools Experience</u> : Proficient with the use of applicable erosion prediction tools (RUSLE2 and/or WEQ).
	Vegetative Option 2 - Experience	<u>Vegetative Experience</u> : 5 years experience and knowledge in planning, design, layout, inspection, or managing vegetative practices associated with this category. <u>Vegetative References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Vegetative Land Stabilization practices. <u>Vegetative Tools Experience</u> : Proficient with the use of applicable erosion prediction tools (RUSLE2 and/or WEQ).
	Vegetative Option 3 - Education	<u>Vegetative Education</u> : Bachelor or higher level degree in agronomy, agriculture, or other plant science and 1 years experience and knowledge successfully planning, design, layout, or managing vegetative practices associated with this category. <u>Vegetative References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Vegetative Land Stabilization practices. <u>Vegetative Tools Experience</u> : Proficient with the use of applicable erosion prediction tools (RUSLE2 and/or WEQ).
Manure and Wastewater Handling and Storage		Start Date: 3/1/2019 ; End Date: Animal Mortality Facility (316); Composting Facility (317); Constructed Wetland (656); Critical Area Planting (342); Diversion (362); Emergency Animal Mortality Management (368); Fence (382); Heavy Use Area Protection (561); Irrigation Ditch Lining (428); Lined Waterway or Outlet (468); Pond Sealing or Lining, Compacted Soil Treatments (799); Pond Sealing or Lining, Concrete (522) (800); Pond Sealing or Lining, Flexible Membrane (521A); Pumping Plant (533); Rock Barrier (555); Roof Runoff Structure (558); Roofs and Covers (367); Sediment Basin (350); Short Term Storage of Animal Waste and Byproducts (318); Solid/Liquid Waste Separation Facility (632); Structure for Water Control (587); Subsurface Drain (606); Surface Roughening (609); Terrace (600); Underground Outlet (620); Vegetated Treatment Area (635); Waste Facility Closure (360); Waste Recycling (633); Waste Storage Facility (313); Waste Transfer (634); Waste Treatment Lagoon (359); Water and Sediment Control Basin (638);
	Manure and Wastewater Handling and Storage Option 1 - Experience	<u>Agricultural Waste Management Systems - A Primer</u> : Complete NRCS training course Agricultural Waste Management Systems - A Primer or an NRCS approved equivalent. <u>Agricultural Waste Management Systems - Level 2</u> : Complete NRCS training course Agricultural Waste Management Systems - Level 2 or an NRCS approved equivalent. <u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is: <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a> <u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of

Categories	Options	Criteria
		practice. <u>MWHS Experience</u> : Experience in the planning, design, layout, inspection and certification of manure and wastewater handling and storage (MWHS) practices including any applicable Standards and Specifications. <u>MWHS References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency in planning, designing, installation/layout, and checkout of manure and wastewater handling and storage (MWHS) practices.
Non Irrigation Water Conveyance		Start Date: 2/1/2006 ; End Date: Critical Area Planting (342); Dry Hydrant (432); Livestock Pipeline (516); Spring Development (574);
	Non Irrigation Water Conveyance Option 1	<u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice. <u>Non Irrigation Water Conveyance Experience</u> : Experience in the planning, design, layout, inspection and certification of water conveyance pipeline practices including any applicable Standards and Specifications. <u>Non Irrigation Water Conveyance References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Water Conveyance (Pipelines) practices.
Nutrient Management		Start Date: 2/1/2006 ; End Date: Amending Soil Properties with Gypsum Products (333); Nutrient Management (590); Waste Recycling (633);
	Nutrient Mgt Option 1 - Organization Certification	<u>Nutrient Mgt Certification</u> : Certification in at least one of the following: 1) CCA- Certified Crop Advisor certification from the American Society of Agronomy (ASA), 2) CPAg- Certified Professional Agronomist certification from the American Society of Agronomy (ASA), 3) CPCSc: Certified Professional Crop Scientist certification from the American Society of Agronomy (ASA), 4) CPSSc: Certified Professional Soil Scientist certification from the American Society of Agronomy (ASA), 5) Crop Certification through the National Alliance of Independent Crop Consultants (NAICC), or 6) Other NRCS approved training program. <u>Nutrient Mgt Proficiency</u> : Proficient in the use of nutrient transport risk assessment tools (including Leaching Index, Phosphorus Index). <u>Nutrient Mgt References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency in planning, designing, installation/layout, and checkout of Nutrient Management practices.
	Nutrient Mgt Option 2 - State Certification	<u>Nutrient Mgt - Knowledge</u> : Knowledge of conservation practices and management activities to reduce the potential for nutrient transport. Proficient in the use of wind and water erosion prediction and nutrient transport risk assessment tools (including Leaching Index, Phosphorus Index). <u>Nutrient Mgt References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency in planning, designing, installation/layout, and checkout of Nutrient Management practices.
	Nutrient Mgt Option 3 - Education	<u>Nutrient Mgt - Education</u> : Bachelor or higher-level degree in agronomy or natural resources and at least 1 year experience and knowledge in planning, design, layout, of nutrient management practices. <u>Nutrient Mgt - Knowledge</u> : Knowledge of conservation practices and management activities to reduce the potential for nutrient transport. Proficient in the use of wind and water erosion prediction and nutrient transport risk assessment tools (including Leaching Index, Phosphorus Index). <u>Nutrient Mgt References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency in planning, designing, installation/layout, and checkout of Nutrient Management practices.
	Nutrient Mgt Option 4 - Experience	<u>Nutrient Mgt - Experience</u> : Three years experience within the last five years in the field of nutrient management planning. <u>Nutrient Mgt - Knowledge</u> : Knowledge of conservation practices and management activities to reduce the potential for nutrient transport. Proficient in the use of wind and water erosion prediction and nutrient transport risk assessment tools (including Leaching Index, Phosphorus Index). <u>Nutrient Mgt References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency in planning, designing, installation/layout, and checkout of Nutrient Management practices.
Pest Management		Start Date: 2/1/2006 ; End Date: Integrated Pest Management (IPM) (595);
	Pest Mgt Option 1 - Certification	<u>Pest Mgt Certification</u> : Certification with at least one of the following: 1) CCA- Certified Crop Advisor certification from the American Society of Agronomy (ASA), 2) CPAg- Certified Professional Agronomist certification from the American Society of Agronomy (ASA), 3) CPCSc- Certified Professional Crop Scientist certification from the American Society of Agronomy (ASA), 4) CPPP- Certified Professional Plant Pathologist certification from the American Society of Agronomy (ASA), 5) Crop Certification through the National Alliance of Independent Crop Consultants (NAICC). <u>Pest Mgt License - State</u> : A current Pest Management applicator license as required by law in the state of

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		practice. <u>Pest Mgt Tools Experience</u> : Proficient in the use of applicable erosion prediction and pest management risk assessment tools (RUSLE2 and/or WEQ, Win PST)
	Pest Mgt Option 2 - Knowledge and Training	<u>Pest Mgt License - State</u> : A current Pest Management applicator license as required by law in the state of practice. <u>Pest Mgt Tools Experience</u> : Proficient in the use of applicable erosion prediction and pest management risk assessment tools (RUSLE2 and/or WEQ, Win PST)
Prescribed Burning		Start Date: 2/1/2006 ; End Date: Firebreak (394); Prescribed Burning (338);
	Prescribed Burning Option 1- State Certification	<u>Prescribed Burning Experience</u> : Proficient in the planning, installation and certification of prescribed burns as shown by the submission of at least three (3) burn plans and certification of completion showing actual environmental conditions. These prescribed burn plans must meet the "Plans and Specifications" section of the National Practice Standard PRC 338 Prescribed Burning. <u>Prescribed Burning References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Prescribed Burning practices. <u>Prescribed Burning State Certification</u> : Certification and training in the prescribed burning as required by State law. <u>Prescribed Burning Training</u> : Successfully complete 16 hour of basic fire behavior/prescribed burning training for recommendation of Prescribed Burning as a planning alternative. Complete additional training as required by state law or the State NRCS Office for application of the Prescribed Burn Practice
Reservoir Sealing		Start Date: 3/1/2003 ; End Date: Pond Sealing or Lining, Bentonite (521C); Pond Sealing or Lining, Flexible Membrane (521A); Pond Sealing or Lining, Soil Amendments (521B);
	Reservoir Sealing Option 1	<u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is: <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a> <u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice. <u>Reservoir Sealing Experience</u> : Experience in the planning, design, layout, inspection and certification of soil stabilization or access practices including any applicable Standards and Specifications. <u>Reservoir Sealing References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Reservoir Sealing practices.
Soil Stabilization for Access (Roads)		Start Date: 3/1/2003 ; End Date: Access Road (560); Critical Area Planting (342); Forest Trails and Landings (655); Heavy Use Area Protection (561); Trails and Walkways (575);
	Soil Stabilization Option 1	<u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is: <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a> <u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice. <u>Soil Stabilization Experience</u> : Experience in the planning, design, layout, inspection and certification of soil stabilization or access practices. <u>Soil Stabilization References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Soil Stabilization for Access (Roads) practices.
	Soil Stabilization Option 2 - certification	<u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice. <u>Erosion and Sediment Control Certification</u> : Certification in at least one of the following: 1) Be a certified professional in Erosion and Sediment Control by the Certified Professional in Erosion and Sediment Control, Inc (CPESC), 2) Other approved NRCS Certification Program. <u>Soil Stabilization Experience 2 years</u> : At least 2 years experience in the planning, design, layout, inspection and certification of soil stabilization or access practices. <u>Soil Stabilization References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Soil Stabilization for Access (Roads) practices.
Surface Water Detention/Retention		Start Date: 3/1/2003 ; End Date: Aquaculture Ponds (397); Critical Area Planting (342); Dam (402); Dam, Diversion (348); Dike (356); Dry Hydrant (432); Fish Raceway or Tank (398); Grade Stabilization Structure (410); Irrigation Reservoir

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		(436); Irrigation System, Tailwater Recovery (447); Pond (378); Sediment Basin (350); Structure for Water Control (587); Subsurface Drain (606); Water and Sediment Control Basin (638); Wetland Creation (658); Wetland Enhancement (659); Wetland Restoration (657);
	Surface Water Detention Option 1	<u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is: <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a> <u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice. <u>Surface Water Detention Experience</u> : Experience in the planning, design, layout and inspection of surface water detention retention practices including any applicable Standards and Specifications. <u>Surface Water Detention References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Surface Water Detention/Retention practices.
Waste Utilization - Energy Generation (Current)		Start Date: 4/3/2003 ; End Date: Waste Recycling (633);
	Waste (Energy) Option 1 - Engineer	<u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice. <u>Waste (Energy) - References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Waste Utilization - Energy Generation practices.
Waste Utilization - Feedstock for Livestock (Current)		Start Date: 4/3/2003 ; End Date: Waste Recycling (633);
	Waste (Livestock) Option 1	<u>Certified Animal Scientist</u> : Be certified as a Professional Animal Scientist by the American Registry of Professional Animal Scientists (ARPAS). <u>Waste (Livestock) References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Waste Utilization - Feedstock for Livestock practices.
Water Management (Drainage)		Start Date: 7/25/2019 ; End Date: Bedding (310); Critical Area Planting (342); Denitrifying bioreactors (605); Drainage Water Management (554); Mole Drain (482); Open Channel (582); Pumping Plant (533); Saturated Buffer (604); Structure for Water Control (587); Subsurface Drain (606); Surface Drainage, Field Ditch (607); Surface Drainage, Main or Lateral (608); Underground Outlet (620); Vertical Drain (630);
	Water Management (Drainage) Option 1 - Certification	<u>Drainage Water Management Certification</u> : Drainage Water Management Certification : Certification with the following: Agricultural Drainage Management Coalition (ADMC) Certificate of Competency in Drainage Water Management. <u>Drainage Water Management References</u> : Provide two locations or customer references where technical service has been provided that can verify experience and proficiency in the design, layout, installation, and inspection of Drainage Water Management practices.
	Water Management (Drainage) Option 2 - Education	<u>Drainage Water Management Education</u> : Bachelor or higher level degree in Agricultural/Biological Engineering, Agronomy, or Plant Science, with experience in the successful design and installation of Drainage Water Management practices. <u>Drainage Water Management References</u> : Provide two locations or customer references where technical service has been provided that can verify experience and proficiency in the design, layout, installation, and inspection of Drainage Water Management practices.
	Water Management (Drainage) Option 3 - Experience	<u>Drainage Water Management Experience</u> : One year of experience and knowledge in the design and installation of Drainage Water Management practices. <u>Drainage Water Management References</u> : Provide two locations or customer references where technical service has been provided that can verify experience and proficiency in the design, layout, installation, and inspection of Drainage Water Management practices.
	Water Management (Drainage) Option 4 - Licensed Engineer	<u>Drainage Water Management References</u> : Provide two locations or customer references where technical service has been provided that can verify experience and proficiency in the design, layout, installation, and inspection of Drainage Water Management practices. <u>Professional Engineering License</u> : A current Professional Engineering (PE) license, as required by law in the states of practice.
Water Supply Facilities		Start Date: 3/1/2003 ; End Date: Critical Area Planting (342); Dry Hydrant (432); Livestock Pipeline (516); Pumping Plant (533); Spring Development (574); Water Harvesting Catchment (636); Watering Facility (614);
	Water Supply Option 1	<u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS

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		<p>Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is:  <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a>  <u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice.  <u>Water Supply Experience</u> : Experience in the planning, design, layout, and inspection of water collection practices including any applicable Standards and Specifications.  <u>Water Supply References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Water Supply Facilities practices.</p>
Water Well		<p>Start Date: 3/1/2003 ; End Date:  Water Well (642); Water Well Decommissioning (351);</p>
	Water Well Option 1	<p><u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is:  <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a>  <u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice.  <u>Water Well Experience</u> : Experience in planning, design, layout, inspection, and certification of water well practices.  <u>Water Well References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Water Well practices.</p>
Well and Shaft Technology		<p>Start Date: 3/1/2003 ; End Date:  Mine Shaft and Adit Closing (457); Pumping Plant (533); Vertical Drain (630);</p>
	Well and Shaft Option 1	<p><u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is:  <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a>  <u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice.  <u>Well Experience</u> : Experience in planning, design, layout, inspection and certification of well and shaft technology practices including any applicable Standards and Specifications.  <u>Well References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of Well and Shaft Technology practices.</p>
Wetlands (Interdisciplinary) Biological Components		<p>Start Date: 7/1/2008 ; End Date:  Critical Area Planting (342); Wetland Creation (658); Wetland Enhancement (659); Wetland Restoration (657);</p>
	Wetlands Biological Option 1 - Certification	<p><u>Certified Professional Soil Scientist</u> : Be certified as a Certified Professional Soil Scientist by the American Society of Agronomists.  <u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is:  <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a>  <u>Wetlands Biological Experience - 1 Year</u> : Have 1 year experience in planning, design, installation/layout, and checkout of wetland practices associated with this category.  <u>Wetlands Biological Knowledge</u> : Be knowledgeable of the interdisciplinary nature of the associated practices as it relates to biological components and engineering components. Understand that certification of these practices will require both biological and engineering disciplines.  <u>Wetlands Biological References</u> : Provide two locations or customer references where technical service has been provided that can verify experience and proficiency in planning, designing, installation/layout, and checkout of wetland practices associated with this category.  <u>Wildlife Biologist or Wetland Scientist</u> : Be certified as a wildlife biologist by The Wildlife Society or professional wetland scientist by the Society of Wetland Scientists.</p>
	Wetlands Biological Option 2 - Education	<p><u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is:  <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a>  <u>Wetlands Biological Education</u> : Bachelor or higher level degree in biology or other ecological sciences.  <u>Wetlands Biological Experience - 2 Years</u> : Have 2 year experience in planning, design, installation/layout, and checkout of wetland practices associated with this category.  <u>Wetlands Biological Knowledge</u> : Be knowledgeable of the interdisciplinary nature of the associated practices as it relates to biological components and engineering components. Understand that certification</p>

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		<p>of these practices will require both biological and engineering disciplines.  <u>Wetlands Biological References</u> : Provide two locations or customer references where technical service has been provided that can verify experience and proficiency in planning, designing, installation/layout, and checkout of wetland practices associated with this category.</p>
Wetlands (Interdisciplinary) Engineering Components		<p>Start Date: 4/24/2003 ; End Date:  Critical Area Planting (342); Wetland Creation (658); Wetland Enhancement (659); Wetland Restoration (657);</p>
	Wetlands Interdisciplinary Engineering Option 1 - Engineers License	<p><u>Conservation Planning NRCS Training Modules 1-5</u> : Complete modules 1 through 5 of NRCS Conservation Planning course. Anyone can take the first 5 modules of the Conservation Planning Course, self-paced, off of the Internet. The web site for the course is:  <a href="http://www.nedc.nrcs.usda.gov/catalog/consplan.html">http://www.nedc.nrcs.usda.gov/catalog/consplan.html</a>  <u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice.  <u>Wetlands Interdisciplinary Engineering Experience - 2 Years</u> : Have 2 year experience in planning, design, installation/layout, and checkout of wetland practices associated with this category.  <u>Wetlands Interdisciplinary Engineering Knowledge</u> : Be knowledgeable of the interdisciplinary nature of the associated practices as it relates to biological components and engineering components. Understand that certification of these practices will require both biological and engineering disciplines.  <u>Wetlands Interdisciplinary Engineering References</u> : Provide two locations or customer references where technical service has been provided that can verify experience and proficiency in planning, designing, installation/layout, and checkout of wetland practices associated with this category.</p>
Wildlife		<p>Start Date: 2/1/2006 ; End Date:  Early Successional Habitat Development/Management (647); Hedgerow Planting (422); Restoration of Rare or Declining Natural Communities (643); Riparian Herbaceous Cover (390); Upland Wildlife Habitat Management (645); Wetland Wildlife Habitat Management (644); Wildlife Structure (649);</p>
	Wildlife Option 1 - Certification	<p><u>Wildlife Biologist Certification</u> : Be a certified wildlife biologist by The Wildlife Society.  <u>Wildlife Experience 1 year</u> : Have at least 1 year experience in planning, design, installation/layout, and checkout of practices associated with this category.  <u>Wildlife References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of appropriate practices.</p>
	Wildlife Option 2 - Education	<p><u>Wildlife Education</u> : Bachelor or higher-level degree in wildlife management or other related sciences.  <u>Wildlife Experience 2 years</u> : Have at least 2 years experience in planning, design, installation/layout, and checkout of practices associated with this category.  <u>Wildlife References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of appropriate practices.</p>
Wildlife Interdisciplinary Biological/Engineering		<p>Start Date: 2/1/2006 ; End Date:  Shallow Water Development and Management (646); Wetland Wildlife Habitat Management (644);</p>
	Wildlife Interdisciplinary Option 1 - Certification	<p><u>Wildlife Biologist Certification</u> : Be a certified wildlife biologist by The Wildlife Society.  <u>Wildlife Interdisciplinary Experience 1 year</u> : Have at least 1 year experience in planning, design, installation/layout, and checkout of practices associated with this category.  <u>Wildlife Interdisciplinary References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of appropriate practices.</p>
	Wildlife Interdisciplinary Option 2 - Engineers License	<p><u>Engineers License - State</u> : A current Professional Engineers license as required by law in the state of practice.  <u>Wildlife Interdisciplinary Experience 1 year</u> : Have at least 1 year experience in planning, design, installation/layout, and checkout of practices associated with this category.  <u>Wildlife Interdisciplinary Knowledge</u> : Be knowledgeable of the interdisciplinary nature of the associated practices as it relates to biological and engineering components.  <u>Wildlife Interdisciplinary References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of appropriate practices.</p>
	Wildlife Interdisciplinary Option 3 - Education	<p><u>Wildlife Education</u> : Bachelor or higher-level degree in wildlife management or other related sciences.  <u>Wildlife Interdisciplinary Experience 2 years</u> : Have at least 2 years experience in planning, design, installation/layout, and checkout of practices associated with this category.  <u>Wildlife Interdisciplinary References</u> : Provide two locations or customer references where technical service has been provided that can verify your experience and proficiency planning, designing, installation/layout, and checkout of appropriate practices.</p>