

U.S. Department of the Interior Training Related to Invasive Species Management (as of April 2024)

This list is a compilation of training courses offered by the Department of the Interior (DOI/Interior) that can inform invasive species management efforts. Specific training information is subject to change.

This product responds, in part, to Interior's Invasive Species Strategic Plan that called for sharing a nationwide network of Interior subject matter experts to provide training or technical assistance internally and to partners on invasive species management activities.

If you have questions about or additions to this list, please contact Hilary Smith, Senior Advisor for Invasive Species, at hilary_smith@ios.doi.gov.

Category	Training Course Name	Description	Lead	Point of Contact	Who Can Attend	Target Audience	Hyperlink	Location	Cost	State Pesticide Credit
Best Management Practices	Field Techniques for Invasive Species Management (CLM2139)	This course introduces participants to invasive plant management at the field level.	USFWS-National Conservation Training Center	gary_schetrompf@fws.gov	Open to All	Natural resource professionals and maintenance staff	https://www.fws.gov/course/field-techniques-invasive-plant-management	NCTC, Shepherdstown, WV	\$1195 (waived for FWS and NPS)	Yes
Best Management Practices	Wetland Assessment, Restoration and Management (CSP3106)	Through lectures, field work, and group activities this course emphasizes wetland ecology, wildlife needs, enhancement of wetland functions, conceptual design and implementation processes, structural and vegetative restoration practices, permitting requirements, control of nuisance and invasive species, and other management considerations.	USFWS-National Conservation Training Center	gary_schetrompf@fws.gov	Open to All	Refuge Biologists and others who involved in the assessment, restoration or management of wetlands	https://www.fws.gov/course/wetland-assessment-restoration-and-management	NCTC, Shepherdstown, WV	\$1195 (waived for FWS and NPS)	No
Best Management Practices	Motorboat Operator Certification Course SAF4102	This course gives participants the training required to permit the operation of Service-owned watercraft. It reviews minimum requirements for safe operation of motorboats and includes a review of legal requirements, preparations, navigation, operations, emergency procedures, rescue, self-rescue, trailering, fire suppression, and basic seamanship.	FWS	gary_schetrompf@fws.gov	DOI	Those expecting to operate a watercraft at work	https://www.fws.gov/course/mocc-motorboat-operator-certification-course	TBD	Free	No
Best Management Practices	Electrofishing Safety CSP2022	The course is intended to increase knowledge and skills in electrofishing safety that will result in reduced incidents and injuries to crew members while maintaining efficient job performance.	FWS	gary_schetrompf@fws.gov	FWS only	FWS staff who may participate in electrofishing	https://www.fws.gov/training/Electrofishing-Safety-CSP2202	TBD	Free	No
Best Management Practices	Brown Treesnake Rapid Response Training	The purpose of this training is to 1) maintain interagency capacity to detect and remove brown treesnakes (BTS) in BTS-free islands in the US Affiliated Pacific Islands (USAPI) and 2) teach federal, state, or associated personnel skills in snake identification, detection, and capture, as well as operational deployment and surveillance.	U.S. Geological Survey-Pacific Island Ecosystems Research Center	mviernes@usgs.gov	Federal or state officials, and affiliated partners in the USAPI	Natural resource professionals, especially those involved in biosecurity and interdiction in the Pacific	None	Guam	\$0	No
Compliance	Interagency Cooperation for Endangered Species (FWS-ALC3116)	Participants will acquire basic information on conducting interagency consultation under Section 7 of the ESA. Key information needs and procedures are addressed, with a focus on the information needs related to biological assessments and biological opinions. Lecture and discussion emphasize interagency exchange of information and solutions to support species conservation.	USFWS-National Conservation Training Center	joshua_vance@fws.gov	Federal Employees	FWS and NOAA Fisheries biologists, action agency biologists and consultants responsible for conducting project reviews	https://www.fws.gov/course/interagency-cooperation-endangered-species	NCTC, Shepherdstown, WV	\$995 (waived for FWS and NPS)	No
Compliance	Integrating NEPA into FWS Activities (FWS-CSP-3121)	This course will cover the purpose of the National Environmental Policy Act (NEPA), how NEPA informs the decision-making process for federal policies, planning, and proposals; how to effectively engage in the NEPA process, including the review of NEPA documents; how to focus efficient NEPA reviews on important issues; and, how other laws and regulations are supplemented by NEPA.	USFWS-National Conservation Training Center	frank_muth@fws.gov	DOI Employees	DOI natural resource managers	https://www.fws.gov/course/integrating-nepa-fws-activities	TBD	\$995 (waived for FWS and NPS)	No
Data	Data Wrangling with R (CSP1004)	Participants with no prior experience in R will learn how to transform messy field data into purposeful information for analysis and decision making.	USFWS-National Conservation Training Center	chelsea_kross@fws.gov	Open to All	Anyone who wants to learn R to manipulate data and communicate analysis	https://www.fws.gov/course/data-wrangling-r	Denver, Colorado	\$1195 (waived for FWS and NPS)	No

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Data	Making Sense of Biological Data with R (CSP4200)	Two focal points of this class are improving abilities to think like a scientist (e.g., framing questions, choosing appropriate indicators, and following data analysis steps) and gaining a working knowledge of the R software package.	USFWS-National Conservation Training Center	chelsea_kross@fws.gov	Open to All	Biologists and others with little or no prior experience with R or statistics	https://www.fws.gov/course/making-sense-biological-data-r-online	Online	\$1195 (waived for FWS and NPS)	No
Data	Field Data Capture using ArcGIS Mobile Suite (FWS-OLT-0050A)	Learn how to design, configure, and deploy ArcGIS field data collection apps including new Field Maps (replaces Collector) and Survey123. You'll learn how to design and test field data capture processes using your own Android or IOS mobile device (yes, you'll actually capture some data!). Learn how to design and use both map and form-driven collection processes.	USFWS-National Conservation Training Center	mark_parr@fws.gov	Open to All	Natural resource professionals with basic understanding of GIS and at least 3 months experience using ArcGIS Pro software	https://www.fws.gov/course/field-data-collection-using-arcgis	online	\$597 (waived for FWS and NPS)	No
Data	Field Data Collection using ArcGIS (FWS-CSP7302)	Learn methods for capturing field-based observations on a mobile device and exporting the data for use in other applications. This 3-day intermediate level course provides hands-on experience with multiple GIS applications (ArcGIS Pro, ArcGIS Online, Collector, Survey123) and covers the entire field data collection workflow.	USFWS-National Conservation Training Center	chelsea_kross@fws.gov	Open to All	Field biologists interested in using a mobile device to capture field data and locations for use with ArcGIS	https://www.fws.gov/course/field-data-capture-using-arcgis-mobile-suite	NCTC, Shepherdstown, WV	\$597 (waived for FWS and NPS)	No
Identification	Wetland Plant Identification (CSP3107)	This interagency course is designed to improve the ability of field staff to identify wetland plants using botanical manuals and floras.	USFWS-National Conservation Training Center	gary_schetrompf@fws.gov	Open to All	Personnel involved in wetland issues	https://www.fws.gov/course/wetland-plant-identification	NCTC, Shepherdstown, WV	\$1195 (waived for FWS and NPS)	No
Identification	Advanced Plant ID: Grasses, Sedges, Rushes and Composites (CSP3130)	This interagency course is designed to improve the ability of field staff to identify specific groups of wetland plants using botanical manuals and other flora.	USFWS-National Conservation Training Center	gary_schetrompf@fws.gov	Open to All	Staff involved wetland identification, delineation, restoration, and mitigation	https://www.fws.gov/course/advanced-plant-id-grasses-sedges-rushes-and-composites	TBD	\$1195 (waived for FWS and NPS)	No
Integrated Pest Management	Orientation to National Park Service Integrated Pest Management	This course provides an introduction to Integrated Pest Management (IPM) in the National Park Service (NPS). It is designed for a wide variety of employees who are responsible for or involved in pest management on NPS lands or properties.	NPS	ipm@nps.gov	DOI Employees	IPM specialists, Natural resource planners, Natural resource managers	(DOI internal link) https://doitalent.ibr.doi.gov/enrol/index.php?id=9276	Online	Free	No
Integrated Pest Management	National Park Service Integrated Pest Management Webinar Series (DOI only)	The National Park Service (NPS) Integrated Pest Management (IPM) program offers trainings and webinars (live and recorded).	NPS	ipm@nps.gov	DOI Employees	IPM specialists, Natural resource planners, Natural resource managers, Researchers	(DOI internal link) https://doimspp.sharepoint.com/sites/nps-nrss-invasivespecies-ipm/SitePages/Training.aspx	Online	Free	No
Integrated Pest Management	Integrated Pest Management & Pesticide Applicator Certification (BLM-TC-9000-01)	This is a certification-level course that examines the problems of noxious weeds and poisonous plants and applying chemicals approved for use on federal lands.	BLM-National Training Center	Richard Lee (r5lee@blm.gov)	Open to All	BLM staff, others welcome	(DOI internal link) https://doitalent.ibr.doi.gov/enrol/index.php?id=1102	Location rotates	BLM Free, Non-BLM Fee \$700	Yes (upon request)
Integrated Pest Management	Pesticides and Fish and Wildlife Resources (FWS-CSP-3119)	This course covers topics such as the major types of pesticides, typical routes of exposure, risk assessment, and the environmental fate of pesticides. Participants will learn procedures to evaluate non-target effects and considerations for listed species and will receive useful references and information sources about pesticide safety and use and fish and wildlife risk.	USFWS-National Conservation Training Center	gary_schetrompf@fws.gov	Open to All	Federal, state, and NGO personnel with responsibilities related to the legal and biological implications of pesticide applications	https://www.fws.gov/course/pesticides-and-fish-and-wildlife-resources	NCTC, Shepherdstown, WV	\$995 (waived for FWS and NPS)	Yes

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Inventory / Monitoring	Assessment, Inventory, and Monitoring (AIM) Terrestrial Core Methods Training (BLM-TC-1730-38)	This class provides the framework and skills to understand the condition and trends of terrestrial resources through implementing a monitoring program which is consistent with the Bureau of Land Management (BLM) Assessment, Inventory, and Monitoring (AIM) Strategy.	BLM-National Training Center	Steven Bird (sbird@blm.gov)	Open to All	DOI Employees, Other Federal, State, and Local individuals	https://doitalent.ibt.doi.gov/enrol/index.php?id=18212	Location rotates	Free	No
Inventory / Monitoring	Environmental DNA: Study Design, Implementation, and Application (FWS-CSP2010)	This course provides resource professionals at both the staff and management levels with the most up-to-date information on environmental DNA (eDNA) best practices and applications. This includes the tools needed to evaluate conservation issues where eDNA studies inform management of plants and animals including threatened and endangered and invasive species.	USFWS-National Conservation Training Center	cecilia_melton@fws.gov	DOI Employees	Resource professionals who work directly with eDNA in the field or lab	https://www.fws.gov/course/environmental-dna-study-design-implementation-and-application	varies	\$1195 (waived for FWS and NPS)	No
Planning	National Technical Training Program (NTTP) - Soils and Revegetation course	This is a basic class on soils and revegetation designed to help participants conduct thorough permit reviews and site inspections. This course provides information that will help participants recognize the existence of soil or plant problems. The course will focus on soils and vegetation for pre-mining inventory, planning, operational considerations, and reclamation.	OSMRE/National Technical Training Division	Ruchi Kohli (rkohli@osmre.gov)	Open to Federal and State Regulatory Agency Employees	Mine inspectors, Program staff, and Abandoned Mineral Lands staff	https://www.osmre.gov/programs/national-technical-training-program	Charleston, WV	Free	No
Planning	Ecological Site Description (BLM-TC-1730-10)	Staff who regularly provide data and information to decision makers or land managers that affect Bureau of Land Management (BLM) lands should take this course. Including those working with Assessment, Inventory; Monitoring (AIM) program, forestry, rangeland and wildlife specialists.	BLM-National Training Center	Steven Bird (sbird@blm.gov)	DOI Employees	Natural and Cultural Resource Specialists and Fire, Oil and Gas, Renewable Energy, Recreation, and Compliance	https://doitalent.ibt.doi.gov/enrol/index.php?id=17965	Online	Free	No
Planning	Hazard Analysis and Critical Control Point Planning to Prevent the Spread of Invasive Species (FWS-CSP2131)	This course features, HACCP (Hazard Analysis and Critical Control Point Planning), a structured process that assesses a natural resource management activity, identifies possible risks, and facilitates the removal or reduction of non-target species. HACCP planning is a five-step process: 1) activity description, 2) activity flow chart, 3) identify potential non-targets, 4) non-target analysis worksheet, and 5) non-target risk assessment plan.	USFWS-National Conservation Training Center	gwyneth_daunton@fws.gov	DOI Employees	Anyone working in natural resource management	https://www.fws.gov/course/hazard-analysis-and-critical-control-point-planning-prevent-spread-invasive-species	NCTC, Shepherdstown, WV	\$389 (waived for FWS and NPS)	No
Planning	HACCP Planning to Prevent the Spread of Invasive Species: Train the Trainer (FWS-CSP2133)	This train-the-trainer course is designed to certify conservation planners to deliver the 2-day Hazard Analysis and Critical Control Point (HACCP) Planning to Prevent the Spread of Invasive Species course (CSP2131).	USFWS-National Conservation Training Center	gwyneth_daunton@fws.gov	DOI Employees	Resource managers experienced with HACCP	https://www.fws.gov/course/haccp-planning-prevent-spread-invasive-species-train-trainer	NCTC, Shepherdstown, WV	\$597 (waived for FWS and NPS)	No
Prioritization	Invasive Plant Workshop	This is a workshop for refuges as a starting point for creating invasive plant management objectives and incorporating adaptive management into their efforts. The workshop is a prioritization workshop that utilizes the Invasive Plant Inventory and Early Detection Prioritization Tool to identify the plant species that refuges should target for inventory or Early Detection and Rapid Response.	USFWS-Pacific Southwest Region	jennifer_ketterlin@fws.gov	USFWS Pacific Southwest Refuge staff and partners	Natural resource managers	N/A	Refuges in California, Nevada, and the Klamath Basin	Free	No
Restoration	Restoration of Sagebrush Ecosystems (BLM-TC-1730-60)	This course focuses on a process for restoring plant communities on arid western landscapes. Topics include landscape characterization, site characterization, treatment methods (including prescribed fire, mechanical, chemical), seeding, plan evaluation, implementation and monitoring.	BLM-National Training Center	Steven Bird (sbird@blm.gov)	Open to All	DOI Employees, Other Federal, State, and Local individuals	https://doitalent.ibt.doi.gov/enrol/index.php?id=1025	Location rotates	Free	No