

# Level 2 Course Descriptions

## Technician Development Program

### **BASIC HYDRAULICS**

#### **1 day**

*This course provides a basic understanding of water flow. Topics covered are hydrostatics, hydrokinetics, pipe flow – hydraulics of pipelines, drop inlets and straight pipes, orifice and weir flow, hydraulics of culverts, and open channel flow.*

### **AGRICULTURAL POLLUTION ABATEMENT**

#### **1 day**

*In this class technicians are introduced to Ohio's laws regarding agricultural pollution, how to conduct an investigation of a pollution complaint, determine violations, and develop resolution of the case.*

### **INVENTORY AND EVALUATIONS**

#### **1 day**

*In this class technicians will learn how to conduct an Inventory & Evaluation (or I&E) on a typical livestock facility. Topics to be discussed include an overview of common livestock production practices and their potential resource concerns, how to conduct an on-farm visit, and complete the NRCS livestock headquarters resource assessment worksheet.*

### **SOILS ENGINEERING**

#### **2 days**

*This course provides instruction on the USCS classification of soils, the engineering properties of soil and how they affect its use as a construction material and as a foundation for structures. The class will focus on the relationship of soil density, permeability, and compaction.*

### **TOPOGRAPHIC SURVEYING**

#### **2 days**

*In this class, students will be introduced to the procedures and techniques of topographic surveying; the use of GPS and Total Station surveying equipment; and transferring a proposed topography to a site through construction layout surveys.*

### **CONCRETE CONSTRUCTION**

#### **2 days**

*This course provides the basic knowledge to conduct construction inspection of projects involving concrete. The course will provide background knowledge on concrete mixtures, formwork, reinforcement and concrete safety. The class will include a thorough review of Ohio NRCS's concrete specifications and various field exercises, including a concrete pour.*

### **COMPREHENSIVE TEST**

*Level 2 certification is achieved through completion of the coursework and a passing grade on the Level 2 test.*