

# UNIFORM CONSTRUCTION CODE (UCC)

Division: Mathematics, Engineering Technologies and Computer Sciences (METCS) Division

## **UCC 109 Subcode Official (3 Credits)**

This course is designed to satisfy the educational requirement for licensure as a Uniform Construction Code Enforcement Subcode Official. The course covers in detail the administrative background and procedures in the office, the legal aspects of code enforcement, and the related legislation.

## **UCC 110 Construction Official (3 Credits)**

This course is designed to satisfy the educational requirement for licensure as a Construction Official. It provides students the technical and administrative knowledge to effectively enforce the Uniform Construction Code at the local level.

## **UCC 119 Building Inspector RCS (6 Credits)**

This course is designed to satisfy the educational requirement for licensure as a Building Inspector RCS. The course is based on the International Residential Code (one- and two-family dwelling code), International Building Code, the Uniform Construction Code Regulations, NJAC 5:23. It covers techniques for evaluating structural design and materials, plan review, basic fire protection requirements, and field inspection and reporting as applied to Class III residential and small commercial structures. Reference is made to the New Jersey Uniform Construction Code.

## **UCC 121 Building Inspector ICS (6 Credits)**

This course is designed to satisfy the educational requirement for licensure as a Building Inspector ICS. The course is based on the New Jersey Uniform Construction Code, International Building Code, International Mechanical Code, International Fuel Gas Code, and International Energy Conservation Code. It covers techniques for evaluating structural design, fire protection, and mechanical systems, plan analysis, and field inspection and reporting as applied to class II industrial and commercial structures.

## **UCC 130 Electrical Inspector ICS (4 Credits)**

This course is designed to satisfy the educational requirement for licensure as an Electrical Inspector ICS. The course is based on the New Jersey Uniform Construction Code and the National Electric Code. The course consists of 30 hours of instruction in systems design and 30 hours of instruction in plan review and field inspection techniques.

## **UCC 140 Fire Prot Inspector Part I (4 Credits)**

This course is designed to satisfy the educational requirement for mastery of the Fire Protection Subcode for residential and small commercial structures. The course is based on the New Jersey Uniform Construction Code and the (ICC) International Building Code. It covers techniques for plan review, materials testing, field inspection, and report writing. It is part one of a two-part 120-hour course required for licensure as Fire Protection Inspector ICS

## **UCC 141 Fire Protection Inspector II (4 Credits)**

This course covers techniques for plan review and field inspection of fire protection systems and electrical systems. It is a detailed study of the New Jersey Uniform Code and the International Building Code, focusing on its relation to fire prevention. It is part two of a two-part 120-hour course required for licensure as Fire Protection Inspector ICS.

**Pre-requisites:** UCC 140 with a minimum grade of C

## **UCC 151 Plumbing Inspector ICS (8 Credits)**

This course is designed to satisfy the educational requirement for licensure as a Plumbing Inspector ICS. The course is based on the New Jersey Uniform Construction Code and the National Standard Plumbing Code as applied to class II and III structures. It includes design, testing and analysis techniques for evaluating water service, distribution, and drainage systems; training in plan review and field inspection procedures; and a study of New Jersey public health requirements (NJAC 5:23-3).

## **UCC 170 Technical Assistant (3 Credits)**

This course is designed to meet the state's educational program requirements to become licensed, through the Department of Community Affairs, as a Technical Assistant to the Construction Official's office. The course consists of the state-required 45 hours of classroom instruction covering the duties and responsibilities of a Technical Assistant. The instructor equally emphasizes specific requirements of the Construction Official when working in the Uniform Construction Code office. This course also covers information relevant to UCC groups, issuing certificates, and assistance with public permits.

## **UCC 220 Building Inspector HHS (4 Credits)**

This course is designed to satisfy the educational requirement for licensure as a Building Inspector HHS (Hazardous and High-Rise Structure). Instruction focuses on technical competency in design analysis, materials and standards, and methods for securing compliance in advanced structural systems, advanced fire protection systems, and advanced mechanical systems as applied to class I and all other structures established in Subchapter 3 of the New Jersey Uniform Construction Code (NJAC 5:23-3).

**Pre-requisites:** UCC 121 with a minimum grade of C

## **UCC 230 Electrical Inspector HHS (3 Credits)**

This course is designed to meet the state's standard for educational program requirements to become licensed, through the Department of Community Affairs, as a New Jersey Electrical Inspector HHS (NJAC 5:23-5.20(h)). This course provides classroom instruction a covering the duties and responsibilities of hazardous and high-rise structures (HHS), electrical plan review, and inspection. The instructor especially emphasizes code requirements, regulations, and manufacture specifications for the installation of the various types of electrical systems, as well as the rehabilitation and barrier-free subcodes, plan review, and field inspections.

**Pre-requisites:** UCC 130 with a minimum grade of C

## **UCC 240 Fire Protection Inspector HHS (4 Credits)**

This course is designed to satisfy the educational requirement for licensure as a Fire Protection Inspector HHS. It provides the background technical and administrative knowledge to needed to effectively enforce the Uniform Construction Code as applied to hazardous and high-rise structures at the local level.

**Pre-requisites:** UCC 141 with a minimum grade of C

## **UCC 250 Plumbing Inspector HHS (4 Credits)**

This course is designed to satisfy the educational requirement for licensure as a Fire Protection Inspector HHS. It provides the background technical and administrative knowledge to needed to effectively enforce the Uniform Construction Code as applied to hazardous and high-rise structures at the local level.

**Pre-requisites:** UCC 151 with a minimum grade of C