

# BUILDING INSPECTION TECHNOLOGY (BIC)

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## Course Descriptions

### **BIC 103. Building Codes and Ordinances. 3 Credit Hours.**

This course offers a detailed study of national, state, and local ordinances geared to public safety, land use controls, and building codes. It will include a detailed summary of use philosophy and development of the latest edition of BOCA Building Codes.

Prerequisites: Reading Proficiency

### **BIC 200. Plumbing and Mechanical Inspection. 4 Credit Hours.**

An introduction to the theory of residential and commercial, industrial and institutional details of plumbing systems, safety principles, heating, cooling and ventilation, layouts and code inspection problems.

Prerequisites: MTH 124 with a minimum grade of "C", PSI 101 with a minimum grade of "C" and Reading Proficiency

### **BIC 203. Plan Review I (Non-Structural). 3 Credit Hours.**

This course provides the student with an understanding of building plans for residential, commercial, industrial and institutional building as related to the requirements of various codes and the zoning ordinances. Solutions to problems will be taught through the study of specific situations, employing an authentic set of plans. The student is taught to identify the problems on the plan and then to solve them by correct application of plan review.

Prerequisites: FIR 210 with a minimum grade of "C", BIC 103 with a minimum grade of "C" and Reading Proficiency

### **BIC 204. Plan Review II (Structural). 3 Credit Hours.**

This course provides the student with an understanding of building plans with emphasis on structural elements of building design. The student will be instructed in review and calculations of loads and sizing of structural elements of a building, including footings, foundations, beams and columns, walls, roofs, and floors.

Prerequisites: BIC 203 with a minimum grade of "C", ME 243 with a minimum grade of "C", and Reading Proficiency