



# American Galvanizers Association *Galvanize It!* Seminar Program Outline



## 1-Hour Reinforcing Steel Seminar (HSW Credit) (Scheduled – Classroom)

- I. Introduction and Learning Objectives**
- II. Hot-Dip Galvanizing Process**
- III. Why Hot-Dip Galvanized Rebar?**
  - a. Corrosion Protection
    - i. Rebar Corrosion
    - ii. High Chloride Threshold
    - iii. Corrosion Migration & Concrete Densification
  - b. Durability
    - i. Abrasion Resistance
    - ii. Uniform Protection
    - iii. Complete Coverage
    - iv. Bond Strength
  - c. Longevity
    - i. In Concrete
    - ii. Accelerated Testing
  - d. Availability, Efficiency, Safety
    - i. Abundant
    - ii. Efficiency
    - iii. Safety
  - e. Sustainability
    - i. Environmental Advantages
    - ii. Economic Advantages
    - iii. Cost Comparisons
- IV. Design & Specification**
  - a. Designing Rebar for HDG
  - b. Specifying HDG Rebar
  - c. Mechanical Properties
  - d. Steel Selection & Dissimilar Metals
  - e. Coating Thickness
  - f. Bending
  - g. Handling
  - h. Touch-Up & Repair
  - i. Removal of Forms
  - j. Testing
- V. Summary**