

## Structural Engineering Requirements

16-01 The following rule defines Structural Engineering and the requirements for those practicing Structural Engineering to receive their Professional Engineering licensure by exam or by comity.

- A. Structural Engineering shall be defined as engaging in the design or analysis of “Designated Structures.” “Designated Structures” are defined as follows:
  1. For buildings and other structures requiring a building permit as required by the *International Building Code, adopted edition, with Georgia Amendments* in current effect in the state of Georgia:
    - a. A Designated Structure is any building or other structure which meets any one of the following criteria:
      - I. Any building structure which has risk Category of III or IV in accordance with Table 1604.5 of the International Building Code, adopted edition, with Georgia Amendments.
      - II. Any building structure which has a covered gross area of 100,000 square feet or greater, or has an occupied floor elevation that is 45 feet or more above the average ground level of the building.
      - III. Any building structure which with height to least width aspect ratio of the structural lateral load resisting system greater than or equal to seven.
      - IV. Any building structure which is designed using nonlinear time history analysis or with special seismic energy dissipation systems.
    2. For bridges and other transportation structures:
      - a. A designated Structure as defined by the Georgia Department of Transportation as a “complex bridge”, including:
        - i. Bridges of spans longer than 300 feet
        - ii. Tunnels
        - iii. Cable-stayed bridges
        - iv. Suspension bridges
        - v. Movable bridges
        - vi. Trusses with spans longer than 300 feet
        - vii. Arch bridges
        - viii. Segmental bridges
        - ix. Balance-cantilever bridges
        - x. Other bridges requiring unique analytical methods or design features not commonly addressed in AASHTO
- A. Structural Engineering applicants shall be required to take the 16 hour Structural Engineering Exam.
- B. Civil Engineering applicants who engage in the design of structural elements, but will not perform Structural Engineering as defined in Section A, will be allowed to take the 8 hour Civil Breadth and Structural Depth exam.

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- C. Applicants by comity, who will practice Structural Engineering as defined above and who first became registered as a Professional Engineer or Structural Engineer in another state on or after January 1 of 2011, must have passed the 16 hour Structural Engineering Exam. Structural Engineering applicants by comity who meet all requirements, but have not passed the 16 hour Structural Engineering Exam, and who first became registered as a Professional Engineer or Structural Engineer in another state on or after January 1 of 2011, shall be required to pass the 16 hour Structural Engineering Exam before receiving licensure.
- D. Licensed engineers registered in the State of Georgia prior to January 1, 2011 and meet all other requirements shall be eligible to practice Structural Engineering.