

**A-E 1.13 Architectural experience.** (1) To qualify as satisfactory experience in architectural work for the purpose of meeting registration requirements of s. 443.03, Stats., an applicant's experience shall include the application of architectural principles and data and shall demonstrate an applicant's progressive competence to do architectural work. This experience shall be acquired in the following areas of architectural practice or in other areas of architectural practice or in academic coursework which in the opinion of the board provides the applicant with a knowledge of architectural principles and data at least equivalent to that which would be acquired by experience in the areas of practice described:

(a) Architectural programming:

1. Environmental impact, including site analysis and land use considerations; and area requirements;
2. Programmatic requirements, including needs assessments and physical concepts;
3. Spatial requirements in buildings, including space needs, uses of space and building efficiency;
4. Building and zoning codes including requirements for floor area, exits, fireproofing, corridors, stairs, construction types, heat loss and provisions required for the handicapped; and,
5. Costs and budgeting; and

(b) Project development:

1. Site considerations, including orientation, relationship of buildings, topography, water-drainage, and utilities;
2. Graphic communication, including drafting and sketching;
3. Elements of design, including
  - a. Form, including space, mass and environment;
  - b. Principles of composition, including unity, proportion and scale;
  - c. Results of design, including appropriateness and quality of physical expression; and

(c) Architectural sciences and technology:

1. Structural engineering, including structural analysis and loadings;
2. Construction, including
  - a. Materials, including compliance with code requirements, maintenance considerations, types, costs, applications and selections;
  - b. Details, including footings, waterproofing and insulation, floors, walls, roofing, joints and connections, and windows and doors;
  - c. Environmental control, including building systems technology (energy efficiencies and resource conservation); and

(d) Professional administration:

1. Project administration, including

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- a. Schematics, including site plans, floor plans and cost estimates;
  - b. Contract documents, including the contract or agreement, conditions, and specifications;
  - c. Working drawings, including site plans, architectural plans, architectural elevations, architectural sections and architectural details.
- 2. Professional standards (quality control);
  - 3. Project coordination: interdisciplinary (consultants);
  - 4. Construction administration; and
- (e) Business administration, including: personnel management and supervision; and,
  - (f) Laws and practices, including:
    - 1. Architectural services;
    - 2. Responsibilities of the professional;
    - 3. Building codes;
    - 4. Documents.

(2) Satisfactory work experience shall consist of related practical training including at least one year of experience in the design and construction of buildings under the supervision of a registered architect, professional engineer, or exempt person as defined in s. 443.14, Stats. prior or subsequent to acquisition of approved educational equivalents.

(3) To qualify as satisfactory architectural experience employment must consist of at least 2 or more continuous months.

(4) Full or partial credit may be allowed for part-time (20 hours/week minimum) work experience, and architectural related teaching or research (with degree) subject to review by the architects' section.

(5) An applicant who has participated in the intern architect development program sponsored by the national council of architectural registration boards and the American institute of architects may submit a report of participation in the program as evidence of architectural experience.

**History:** Cr. Register, June, 1977, No. 258, eff. 7-1-77; am. (2), Register, April, 1981, No. 304, eff. 5-1-81; am. (1) and (2), cr. (5), Register, January, 1982, No. 313, eff. 2-1-82.

**A-E 1.14 Applications filed under s. 443.04(1) (c), Stats. (without examination).** Applicants who apply for registration as a professional engineer pursuant to s. 443.04(1) (c), Stats., shall file a completed application form furnished by the board which shall include:

(1) A record which specifically and in detail describes the knowledge of mathematics, the physical sciences and the principles of engineering which the applicant has acquired by professional education or practical experience.