# Rules of Department of Commerce and Insurance

Division 2030—Missouri Board for Architects, Professional Engineers, Professional Land Surveyors, and Professional Landscape Architects

Chapter 5—Examinations

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Chapter 5—Examinations

Title 20—DEPARTMENT OF COMMERCE AND INSURANCE
Division 2030—Missouri Board for Architects, Professional Engineers, Professional Land Surveyors, and Professional Landscape Architects

Chapter 5—Examinations

20 CSR 2030-5.010 Special Examinations Prohibited

PURPOSE: This rule prohibits giving special examinations.

Examinations administered by the board will be given at times and places established by the board. Examinations administered by the National Council of Architectural Registration Boards (NCARB), the National Council of Examiners for Engineering and Surveying (NCEES), or the Council of Landscape Architectural Registration Boards (CLARB), will be given at times and places established by the council. No special examinations will be conducted.


20 CSR 2030-5.020 NCARB Examinations—Architects

PURPOSE: This rule adopts the National Council of Architectural Registration Boards’ examination for architects.

(1) The architectural division of the Missouri Board for Architects, Professional Engineers, Professional Land Surveyors, and Professional Landscape Architects, having reviewed past examinations of the National Council of Architectural Registration Boards (NCARB) on architecture, finds that the examinations meet the requirements of section 327.151, RSMo, and, pursuant to the discretion vested by this statute, does adopt the examination prepared by that organization as that of the division as fully as if the division had prepared the examination, with the modifications as the division deems proper. The division reserves the right to revoke this approval at any time and to prepare and administer the examination as it deems proper.


20 CSR 2030-5.030 Standards for Admission to Examination—Architects

PURPOSE: This rule sets out standards for admission to architectural examinations.

(1) Every graduate from a curriculum fully accredited by the National Architectural Accreditation Board (NAAB), or other designated agencies as recognized by the National Council of Architectural Registration Boards (NCARB), applying for architectural licensure shall submit with and as a part of the application documents as required in section 327.131, RSMo, a fully certified and completed Architectural Experience Program (AXP) record formerly known as an Intern Development Program (IDP) record. A person participating in AXP through NCARB who has graduated with an NAAB accredited degree or equivalent degree from Canada, may use the term “Architectural Intern.”


20 CSR 2030-5.050 Admission to Examination—Architects

PURPOSE: This rule sets the required passing grade on architectural examinations.

An applicant must obtain a passing score on each portion of the architectural examination in accordance with National Council of Architectural Registration Boards (NCARB) standards.


20 CSR 2030-5.060 Reexamination—Architects

PURPOSE: This rule permits unlimited opportunities for retake of the architectural examinations.

(1) Applicants who fail to pass the architectural examinations will be allowed unlimited opportunities for reexamination in accordance with the rolling clock standards established by the National Council of Architectural Registration Boards (NCARB).


*Rescinded May 30, 2018

John R. Ashcroft
Secretary of State (12/31/19)
20 CSR 2030-5.070 NCEES Examinations—Professional Engineers

PURPOSE: This rule adopts the National Council of Examiners for Engineering and Surveying examination for engineers.

(1) The Missouri Board for Architects, Professional Engineers, Professional Land Surveyors, and Professional Landscape Architects, having reviewed past examinations of the National Council of Examiners for Engineering and Surveying (NCEES) on engineering, finds that the examination meets the requirements of section 327.241, RSMo, and, pursuant to the discretion vested by this statute, does adopt the examination prepared by that organization as that of the board as fully as if the board had prepared the examination, with modifications as the board deems proper. The board reserves the right to revoke this approval at any time and to prepare and administer the examination as it deems proper.


20 CSR 2030-5.080 Standards for Licensure—Professional Engineers

PURPOSE: This rule sets out standards for admission to engineering examinations.

(1) An applicant for licensure as a professional engineer shall have the knowledge, skills, and experience as the board deems necessary to qualify the applicant for being placed in responsible charge of engineering work. The minimum length of experience required of the applicant, based on education, is three (3) years for any applicant holding a master’s degree in engineering or four (4) years after the applicant has satisfied the educational requirements of sections 327.221 and 327.241.6, RSMo. Any applicant who meets the educational requirements of sections 327.221, and 327.241.6, RSMo, qualifies for admission to the examination. The Engineers’ Council for Professional Development (ECPD) has been succeeded by the Accreditation Board for Engineering and Technology, Inc. (ABET). For purposes of evaluating engineering curricula at the baccalaureate level, the programs accredited by the Engineering Accreditation Commission (EAC) of ABET shall be the basis used for evaluation of programs not accredited by EAC of ABET.

(2) The board reserves the right to revoke this approval at any time and to prepare and administer the examination as it deems proper.

(3) Foreign-educated applicants holding an engineering degree not accredited by ECPD, ABET, or its successor organizations will be required to submit a favorable evaluation report completed by an examination acceptable by the professional engineering division of the board certifying equivalency to an ABET accredited degree. Applicants holding a United States of America (USA) engineering degree not accredited by ECPD, ABET, or its successor organizations will be required to have their educational degree program evaluated in order to determine whether or not it is equal to or exceeds the programs accredited by ECPD, ABET, or their successor organizations. The evaluation must be completed by an evaluation service acceptable by the professional engineering division of the board. The evaluator, by evaluation of transcripts and an official publication describing the engineering degree program of the institution, personal interview, by examination, or both in any other manner deemed suitable, shall make an evaluation as to whether the academic program completed by the applicant meets the minimum educational requirements established by section 327.221, RSMo. The evaluator shall recommend to the professional engineering division and report how any deficiencies can be corrected, listing prescribed educational areas to bring the applicant’s academic qualifications up to the required minimum. Deficiencies in engineering education courses must be made up with courses offered by an EAC/ABET-accredited degree program or equivalent. The report of the evaluator is not binding upon the division.

(4) An applicant who completes an engineering education program that is non-accredited and not deemed substantially equivalent and who then earns a graduate engineering degree from a United States school with an EAC/ABET-accredited undergraduate or graduate program in an equivalent discipline will be accepted for the license process. The graduate degree shall be treated as confirming the undergraduate degree giving the applicant equal standing with an applicant who has graduated from an EAC/ABET undergraduate engineering program. The degree earned in the graduate program validates the degree earned in the non-accredited undergraduate program and would not then be applicable for experience credit.

(5) A degree in engineering technology does not meet the educational requirements for licensure as a professional engineer.

(6) Any applicant deemed by the professional engineering division under sections (3) or (4) of this rule to have completed an educational program which is equal to or exceeds those programs accredited by ECPD, ABET, or their successor organizations shall be required to have obtained the minimum engineering work experience as is required in section (1) of this rule before applying for licensure. In all cases, the board will consider only that experience the applicant has obtained after satisfying the educational requirements of sections 327.221 and 327.241, RSMo.

(7) In evaluating the minimum engineering work experience required of all applicants, maximum credit granted includes the following:

(A) Engineering teaching at collegiate level (only advanced engineering subjects or courses related to advanced engineering at board-approved schools), assistant professor and higher—year-for-year;

(B) Master’s degree in engineering—one (1) year for completion;

(C) Military service (commissioned only)—normally this service is in a technical branch such as engineering, ordinance, civil work services (CWS), civil engineering corps (CEC), etc.; Generally year-for-year subject to evaluation;

(D) Construction (technical decision-making level), above average complexity, non-standard design, or both involving field modification—year-for-year;

(E) Project planning including layout and twenty-five percent (25%) or more design—year-for-year;

(F) Research and development at the planning and decision-making level—year-for-year; and
Chapter 5—Examinations


20 CSR 2030-5.090 Scope of Examination—Professional Engineers

PURPOSE: This rule prescribes subject matter of engineering examinations.

(1) The engineering examination consists of two (2) parts. Each part of the examination consists of two (2) sections. Any reexamination consists of all of part I or part II, as the case shall require.

(2) Part I of the engineering examination is in mathematics and basic sciences.

(3) Part II of the engineering examination is in theory and practice of engineering.


20 CSR 2030-5.100 Passing of Part 1 Required—Engineers

PURPOSE: This rule requires all candidates for reexamination in accordance with NCEES Fundamentals of Engineering Examination may have unlimited opportunities to retake the examination so long as the applicant remains qualified to be examined on the date of the reexamination and providing the applicant applies for reexamination in accordance with NCEES policy.

(1) No applicant for licensure as a professional engineer under section 327.221, RSMo shall be allowed to take part II of the required examination without having first passed part I of that examination.


20 CSR 2030-5.105 Reexaminations—Professional Engineers

PURPOSE: This rule outlines the policy for reexamination of engineer-intern and professional engineering applicants who fail the examination(s).

(1) An applicant for enrollment as an engineer-intern failing to make a passing grade on the National Council of Examiners for Engineering and Surveying (NCEES) Fundamentals of Engineering Examination may be given unlimited opportunities to retake the examination if the applicant satisfies the requirements set forth in NCEES policy.

(2) An applicant for examination and licensure as a professional engineer failing to make a passing grade on the NCEES Principles and Practice of Engineering Examination may be given unlimited opportunities to retake the examination if the applicant satisfies the requirements set forth in NCEES policy.


20 CSR 2030-5.110 Standards for Admission to Examination—Professional Land Surveyors

PURPOSE: This rule outlines the experience required of those persons applying for the land surveying examination under section 327.314, RSMo.

(1) No person shall apply for examination and licensure as a professional land surveyor in the state of Missouri unless said person is currently enrolled as a land surveyor-in-training and unless said person shall have completed at least four (4) years of satisfactory professional field and office experience in land surveying under the immediate personal supervision of a professional land surveyor and upon their date of enrollment. However, applicants may accrue up to one (1) year (twelve (12) months) credit for satisfactory land surveying experience earned while in the military even if that experience was not completed under the immediate personal supervision of a licensed professional land surveyor.

(2) For professional field and office experience in land surveying to be deemed satisfactory, the applicant shall have obtained at least twenty-four (24) months of the required experience as field experience and at least sixteen (16) months of the required experience as office experience. In evaluating satisfactory professional field and office experience in land surveying, credit shall be given as follows:

A. Party chief—year-for-year;
B. Office work (combination of record research, survey calculations, and preparation of property descriptions as relating to property boundary surveys and/or the reestablishment of the U.S. public land survey corners) (year-for-year credit);
C. Individual evaluation may result in less
than full credit; and

(D) Design or construction surveying work experience in the field or office will receive no more than eight (8) months credit.


20 CSR 2030-5.120 Scope of Examination—Land Surveyor-in-Training and Professional Land Surveyors

**PURPOSE:** This rule establishes the examinations that are required of a person applying for enrollment as a land surveyor-in-training under section 327.312, RSMo, and for a person applying for licensure as a professional land surveyor.

(1) The examination for enrollment as a land surveyor-in-training shall be the National Council of Examiners for Engineering and Surveying (NCEES) Fundamentals of Land Surveying Examination.

(2) The examinations for licensure as a professional land surveyor shall be the NCEES Principles and Practice of Surveying Examination covering Missouri surveying practice and Missouri statutes and rules relating to the practice of land surveying. These two (2) examinations are independent of each other and shall be graded separately. A passing score must be obtained on each examination before licensure will be granted.


20 CSR 2030-5.130 Reexamination—Land Surveyor-in-Training and Professional Land Surveyor

**PURPOSE:** This rule outlines the policy for reexamination of land surveyor-in-training and professional land surveyor applicants who fail the examination(s).

(1) An applicant for enrollment as a land surveyor-in-training failing to make a passing grade on the National Council of Examiners for Engineering and Surveying (NCEES) Fundamentals of Surveying Examination may have unlimited opportunities to retake the examination so long as the applicant remains qualified to be examined on the date of the reexamination and providing the applicant applies for reexamination in accordance with NCEES policy.

(2) An applicant for examination and licensure as a professional land surveyor failing to make a passing grade on the NCEES Principles and Practice of Surveying Examination may have unlimited opportunities to retake the examination so long as the applicant remains qualified to be examined on the date of the reexamination and providing the applicant applies for reexamination in accordance with NCEES policy.

(3) An applicant for examination and licensure as a professional land surveyor failing to make a passing grade on the Missouri Specific Examination covering Missouri surveying practice and Missouri statutes and rules relating to the practice of land surveying may have unlimited opportunities to retake the examination so long as the applicant remains qualified to be examined on the date of the reexamination and providing the following criteria are met:

(A) The applicant applies for reexamination on forms furnished by the board;

(B) The applicant pays the required reexamination fee;

(C) The applicant files his/her application for reexamination on or before the filing deadline established by the board; and

(D) The applicant provides any additional information deemed pertinent to the board.


20 CSR 2030-5.140 CLARB Examinations—Professional Landscape Architects

**PURPOSE:** This rule adopts the Council of Landscape Architectural Registration Boards’ Landscape Architect Registration Examination (LARE) or its successor.

(1) The board adopts the Council of Landscape Architectural Registration Boards’ (CLARB) Landscape Architect Registration Examination (LARE) or its successor as its own. All applications for examination as a professional landscape architect shall be filed with the Missouri Board for Architects, Professional Engineers, Professional Land Surveyors, and Professional Landscape Architects, or a substantially equivalent provider so designated by the board, prior to the established deadline. An applicant must obtain a passing score on each portion of the examination in accordance with CLARB standards.


20 CSR 2030-5.150 Standards for Admission to Examination—Professional Landscape Architects

**PURPOSE:** This rule sets out standards for admission to landscape architectural examinations.

(1) A Missouri applicant for licensure shall have a degree in landscape architecture from an accredited school of landscape architecture or a degree deemed equivalent in the opinion of the board. The minimum length of experience required of the applicant, based on education, is at least three (3) years of satisfactory landscape architectural experience after acquiring that degree. Any applicant who meets the educational requirements of section 327.612, RSMo, qualifies for admission to the Council of Landscape Architectural Registration Boards’ (CLARB) Landscape Architect Registration Examination (LARE), or its successor.

(2) For the purpose of admission to the examination, satisfactory training and experience shall include: site investigation; selection and allocation of land and water resources for appropriate use; land use feasibility studies; formulation of graphic and written criteria to govern the planning and design of land construction programs; preparation, review, and analysis of master plans for land use and site development; production of overall site plans, grading plans, irrigation plans, planting plans, and related construction details; specifications; cost estimates and reports for site development; collaboration in the design of roads and site structures with respect to the functional and aesthetic requirements, but not involving structural design or stability; and field observation of land area construction, restoration, and maintenance.


20 CSR 2030-5.160 State Exam Covering Chapter 327, RSMo, the Board Rules, and Ethics

**PURPOSE:** This rule requires all applicants for an architectural, professional engineering, or professional landscape architectural license to pass a state specific examination covering Chapter 327, RSMo, the board rules, and ethics before being issued a license to practice.

(1) An examination on Chapter 327, RSMo, board rules, and ethics must be passed before an architect, professional engineer, or professional landscape architect can be licensed to practice in Missouri.

(2) The purpose of the examination is to ensure that applicants are familiar with the act regulating the professions of architects, professional engineers, and professional landscape architects and the ethics of practicing architecture, professional engineering, or professional landscape architecture. This is an open book examination administered online, at no cost to the applicant, via the board’s website.

(3) Any applicant for examination and licensure as an architect, professional engineer, or professional landscape architect failing to make a passing grade on the examination may have unlimited opportunities to retake the examination so long as the applicant remains qualified to be examined.

(4) An applicant achieves a passing grade with a score of eighty percent (80%).
