The following is an excerpt from the Rules of Procedure relating to educational requirements for individuals that do not possess a (4) year EAC/ABET bachelor degree in engineering AND have applied for licensure by exam or have obtained their original licensure in another jurisdiction after 03/29/2012. Please use the form found on page 2 to indicate what completed courses meet the requirements listed.

IDAPA 10 – IDAHO BOARD OF PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS

RULES OF PROCEDURE: 10.01.01.017.02(b) AND 10.01.01.019.01(b)

i. Thirty-two (32) college semester credit hours of higher mathematics and basic sciences. The credits in mathematics must be beyond algebra and trigonometry and must emphasize mathematical concepts and principles rather than computation. Courses in differential and integral calculus are required. Additional courses may include differential equations, linear algebra, numerical analysis, probability and statistics and advanced calculus. The credits in basic sciences must include at least two (2) courses. These courses must be in general chemistry, general calculus based physics, or general biological sciences; the two (2) courses may not be in the same area. Additional basic sciences courses may include earth sciences (geology, ecology), advanced biology, advanced chemistry, and advanced physics. Computer skills and/or programming courses may not be used to satisfy mathematics or basic science requirements. Basic engineering science courses or sequence of courses in this area are acceptable for credit but may not be counted twice. (3-25-16)

ii. Sixteen (16) college credit hours in a general education component that complements the technical content of the curriculum. Examples of traditional courses in this area are philosophy, religion, history, literature, fine arts, sociology, psychology, political science, anthropology, economics (micro and macro), professional ethics, social responsibility. Examples of other general education courses deemed acceptable include management (such as organizational behavior), accounting, written and oral communications, business, and law. No more than six (6) credit hours may come from courses in management, accounting, business, or law. Courses in engineering economics, engineering management, systems engineering/ analysis, production, and industrial engineering/management will not be counted. Language courses in the applicant's native language are not acceptable for credit; no more than six (6) credit hours of foreign language courses are acceptable for credit. Native language courses in literature and civilization may be considered in this area. Courses which instill cultural values are acceptable, while routine exercises of personal craft are not. (3-25-16)

iii. Forty-eight (48) college credit hours of engineering science and/or engineering design courses. Courses in engineering science shall be taught within the college / faculty of engineering having their roots in mathematics and basic sciences but carry knowledge further toward creative application of engineering principles. Examples of approved engineering science courses are mechanics, thermodynamics, heat transfer, electrical and electronic circuits, materials science, transport phenomena, and computer science (other than computer programming skills). Courses in engineering design stress the establishment of objectives and criteria, synthesis, analysis, construction, testing, and evaluation. Graduate level engineering courses may be included to fulfill curricular requirements in this area. Engineering technology courses cannot be considered to meet engineering topic requirements. (3-25-16)

Applicant Name: _____
Date: _____

Course Requirements of IDAPA 10.01.01.017.02b and 10.01.01.019.01b	Course Numbers and Titles Taken by Applicant to Meet IDAPA Requirements	Credits Received	Academic Institution at Which Course was Taken
32 semester credits of higher mathematics and basic sciences. Courses in differential and integral calculus are required.			
16 semester credits in a general education component that complements the technical content of the curriculum.			
48 semester credits of engineering science and engineering design			