

State of Minnesota

Board of Vocational-Technical Education

Statement of Need and Reasonableness
Chapter Thirty-nine: Rules for Licensure
of Vocational Education Personnel

Proposed Amendments to Rules 5 MCAR § 1.0790 C.
Vocational Education Licenses for Robotics
Post-Secondary Licensure - Technical Education

Introduction

Public vocational education is delivered through area vocational-technical institutes, centers and school districts. Post-Secondary education is one category of vocational-technical education. Persons who teach post-secondary vocational-technical education courses must be licensed for the specific activity in which they teach. Qualifications for licensure include some form of post-secondary education and some relevant occupational experience in the area of licensure. Robotics technician is a new and emerging occupation integrating concepts and functions that have been in existence for many years such as hydraulics, pneumatics, mechanics, electricity, electronics, and computers with the application of robotics and programmable automation. This program prepares technicians for occupations in robotics design, research, applications, installation, programming, customer service, maintenance and repair.

Rule Amendments

5 MCAR § 1.0790 Post-Secondary vocational instructional personnel.

This amendment is needed to provide minimal teacher education criteria in the areas of educational and occupational experience for a post-secondary teacher licensure in the technical education area of Robotics Technician. This amendment is reasonable because: 1) It establishes teacher licensure criteria that are directly related to the content which must be taught by an instructor of this program, 2) it establishes alternative modes of educational experience for the instructor, 3) it offers adequate hours of hands-on occupational experience for the instructor to be competent in the areas of hydraulics; pneumatics; mechanics; electricity; electronics, robotics/programmable automation and computers, and 4) it complies with the Vocational teacher education sequence and Human Relations courses required for all post-secondary instructor licenses.