

Minnesota Attorney General: Administrative Rules Proceedings

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Version 3
August 20, 2018

DEPARTMENT: Office of the Attorney General

STATE OF MINNESOTA

OFFICE MEMORANDUM

DATE: October 12, 1990

TO: GEORGIA POMROY
Minnesota Technical College System
100 Capitol Square Bldg.

FROM: CHARLENE HATCHER
Special Assistant Attorney General
525 Park Street, Suite 500 (55103)

PHONE: 296-9422

SUBJECT: In the Matter of the Adopted Rule Relating to Electronics Technology Instructor License

The above-referenced rule has been approved as to its legality by the Attorney General on October 12, 1990.

Enclosed is your copy of the approved rule. This office has already filed two copies with the Secretary of State, who will forward one copy to the Revisor of Statutes. The fourth is being retained by this division of the Attorney General's Office for its records.

Also enclosed are any petitions, requests, submissions or comments along with any extra copies of documents which you submitted to the Attorney General.

Your next step is to arrange for publication of the Notice of Adoption in the State Register. In a day or two, you should receive from the Revisor's Office three copies of tne notice of adoption of your rule. You should submit two copies of the Notice of Adoption to the State Register for publication. A permanent rule without a hearing does not become effective until five days after a notice of adoption is published in the State Register in accordance with Minn. Stat. § 14.27. An emergency rule becomes effective five working days after approval by the Attorney General; however, the agency must publish a notice in the State Register in accordance with Minn. Stat. § 14.34.

If you have any questions in this regard, please contact me.

CH:sc
Enclosures
cc: William Brown, Chief Judge
MaryAnn Hruby
Charles Mottl

Board of Vocational Technical Education

Adopted Permanent Rules Relating to Electronics Technology Instructor License

Rules as Adopted

3700.0765 ELECTRONICS TECHNOLOGY LICENSE.

Subpart 1. **May teach.** A teacher who has an electronics technology instructor license may teach in the electronics technology programs and may also teach:

A. electronics core; and

B. any course which is electronic theory or application.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part 3700.0100 and the requirements for a teacher in the technical occupational area under part 3700.0700.

Subp. 3. **Educational and occupational experience requirement.** The applicant must have the educational and occupational experience described in items A and B:

A. a minimum of two years of education in electronics technology from an accredited postsecondary institution resulting in a diploma, certificate, or degree; and

B. 6,000 hours of occupational experience in installation, maintenance, troubleshooting, and repair of electronic circuitry in any of the following areas:

(1) computer systems;

(2) industrial electronics;

(3) manufacturing electronics;

(4) electronic communications;

(5) biomedical electronics; or

(6) consumer electronics.

Subp. 4. **Substitution for recent occupational experience.** Teaching experience at an accredited postsecondary institution, industrial, business, or military setting in primary program content in electronics technology may be substituted for 1,500

of the 2,000 hours required under part 3700.0700, subpart 2. Two hours of teaching equal one hour of occupational experience for purposes of part 3700.0700, subpart 2.

APPROVED AS TO LEGALITY

October 11, 1990

HUBERT H. HUMPHREY, III
ATTORNEY GENERAL

BY Charlene H. Hatcher
SPECIAL ASSISTANT ATTORNEY GENERAL

STATE OF MINNESOTA
DEPARTMENT OF STATE
FILED
OCT 12 1990

Joan Anderson Growe
Secretary of State
2:47 P.M.

CH

Electronics Technology RULE REVIEW CHECKLIST

File No. 1741
DATE RECEIVED 9-28-90
REVIEW DATE 10-8-90
DUE DATE 10-12-90
(DIS)APPROVED 10-11-90
WITHDRAWN

Docket No. 05.0009.0831
ADOPTED W/O HEARING
EMERGENCY RULE
TO REVISOR ON 10-2-90
REVISOR (DIS)APPROVED
FILED W/SEC. OF STATE 10-12-90
RETURNED TO AGENCY 10-12-90

✓ Rule as adopted (4 copies)

Notice to Solicit Outside Information/Opinion (if applicable)
~~Feb 20, 1990~~ Oct 9, 1989 Date published in State Register
Comments

Petition for Adoption of a Rule

Board's Authorizing Resolution
Oct 10, 1989 Date adopted

✓ Proposed Rule
✓ Revisor's Certificate

Notice of Intent to Adopt Rule
136C.04 & subd 9 Statutory Authority
NA Small Business Statement
~~6-28-90~~ NA Expenditure of public money statement
6-28-90 Signature

✓ Statement of Need and Reasonableness (if applicable)
NA Small Business Statement
Fees - § 16A.128

Affidavit of Mailing Notice of Intent to Adopt Rule
July 11, 1990 Dated 30/25 days before adoption
Notice attached indicates it is attached
Copy of rule or summary attached

✓ Publication in State Register
July 16, 1990 Date 30/25 days before adoption

✓ 180-day deadline from:
✓ Effective date of law requiring rule (14.12) (both rules) ~~amendments don't apply~~ not mandatory
✓ end of comment period (§ 14.26) (rules without hearing)
effective date of statutory authority (§ 14.29) (emergency rules)

✓ Resolution Adopting
Sept 10, 1990 Date adopted

✓ Findings of Fact, Conclusions & Order Adopting
Sept 11, 1990 Date

✓ Written Requests, Submissions or Comments

✓ Declaration of Attorney
Charles Mehl Name of SAAG representing agency

Notice of ~~Submission~~ to Attorney General (if applicable)

~~Affidavit of Mailing~~ Notice to Attorney General (if applicable)

Office of the Revisor of Statutes
Administrative Rules

Craig E. Lindeke
Senior Assistant Revisor
296-0946

700 State Office Building
100 Constitution Avenue
St. Paul, MN 55155-1297

July 17, 1990

Ms. Georgia Pomroy
State Board of Vocational
Technical Education
First Floor
Capitol Square Building
St. Paul, MN 55101

RE: File No. 1689

Dear Ms. Pomroy:

Enclosed are stripped copies of your proposed rules as published in the State Register. The copy shows the text of the rules as you proposed them with the stricken text deleted and the underscoring removed.

If your emergency rules or rules adopted without public hearing are adopted without modification, please submit the required number of copies of this document to the Attorney General for final approval. If these rules are to be modified, please use this copy to indicate the modifications you wish to make. Our office will then input the changes, approve the document as to form, and provide you with copies to submit to the Attorney General.

If your rules are adopted after public hearing without modification, please submit one copy of this document to our office for final approval as to form. If these rules are to be modified, please use this copy to indicate the modifications you wish to make. Our office will input the changes, approve the document as to form, and provide you with copies.

Very truly yours,

Craig E. Lindeke

NEED AND REASONABLENESS

MINNESOTA STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

Statement of Need and Reasonableness
for licensure of Postsecondary
Vocational Technical Personnel.

Revision of existing licensure and
rule development for instructor
licenses in new venture programs for
technical college staff.

Health Occupations 3700.0400 to 3700.0435
Surface Finishing and Plating Technician
3700.0770
Electronics Technology 3700.0765
Technical College Counselor 3700.1050

The statutory authority for the State Board of Vocational Technical Education to promulgate these rules is contained in Minnesota Statutes section 136C.04, subd. 9 which states:

Licensure. The State Board may adopt rules, according to the provisions of Chapter 14, for licensure of teaching, support, and supervisory personnel in postsecondary and adult vocational education. When necessary for continuous programs approved by the board and when the board determines that appropriate temporary standards do not exist, the State Board may adopt appropriate temporary standards without regard to chapter 14 and may issue temporary licenses to teaching and support personnel. A temporary license is valid up to one year and is not renewable, but a person holding a temporary license may, upon its expiration, be issued a license in accordance with standards adopted under chapter 14. The State Board may establish a processing fee for the issuance, renewal, or extension of a license."

BACKGROUND INFORMATION

The proposed permanent rules follow the format established by previous revised licenses.

The formal rule revision process involves a general advisory committee. Representatives include private trade schools, Board of Teaching, State Board of Vocational Technical Education staff,

teacher educators, union representatives, and licensed postsecondary staff in administration, supervision, instruction, and support service and special needs.

In addition, each individual rule has its own subcommittee consisting of State Board of Vocational Technical Education staff, technical college administrators, and licensed instructors and representatives from business and industry. Other individuals may be involved dependent upon the rule being promulgated as in the case of health areas, professional credentialling representation. Each rule is also reviewed by a licensure committee representing the State Board of Vocational Technical Education prior to the Board's resolution to adopt the rule.

The State Board of Vocational Technical Education is revising postsecondary and extension vocational education licenses for instructors and support staff. The licensure rules need clarification for the benefit of existing parties. The majority of the issues identified are related to interpretation of the terms: relevant education, relevant occupational experience, and vague or nonexistent course requirements. In addition, the technical college system is currently undergoing a major restructuring of programs and developmental services. Existing licensure results in an artificial barrier which prevents an instructor with expertise in a specific area from teaching that content in any program other than the one for which the individual is licensed. Thus an instructor holding an accounting license could only teach accounting within that program, preventing the technical college from using that knowledge to teach the credit course, Principles of Accounting. Revision is also an attempt to remove that artificial barrier.

GENERAL INFORMATION

The proposed permanent rules follow the precedent set by the revised agricultural instructor requirements adopted September 12, 1987, the revised business and office rules adopted February 6, 1988, technical occupational licenses adopted March 10, 1990, marketing occupational licenses adopted June 30, 1990, administrative licenses adopted on November 26, 1988, and financial aid license adopted May 25, 1990. There are four major changes within the previous revisions and reflected within these revisions.

1. Crossover areas. The crossover areas compliment the technical college system program restructuring. This effort converts programs to courses and then courses to credits. Thus, the license allows the holder to teach a particular program and specified courses in any program throughout the institute. The courses listed as crossovers are reasonable since they are a result of the expertise acquired via the occupational and/or educational experiences specifically required of the license holder. This is needed to remove an artificial barrier which, in the past, allowed the individual to teach only within a program. This makes it possible to implement the restructured programs with appropriately credentialed staff, allowing an instructor to teach specific courses anywhere within a college.

2. Occupational experience requirements. The occupational experience requirement identifies the job titles which will be accepted to meet licensure requirements. This specificity is needed to provide both the applicants and the hiring authority with information which will be used in making application for the license. The occupational experience requirements are reasonable because they are conceptually and functionally represented in the education programs and in the occupations for which the programs prepare individuals. There is also an increase in the total number of occupational hours from current rule of 6000 hours to revised rule of 8000 hours. This is reasonable since credit is given for educational experiences which relate directly to the occupation in question. In addition, credit will be given for teaching experience as it relates directly to the occupation being taught. Since these substitutions allow for a total of 4000 hours of occupational experience, the increase to 8000 hours is reasonable. In addition, the increase to 8000 hours represents only a total of one year. Since the crossover areas require more specificity required to teach individual courses throughout the institute, a greater depth and breadth of knowledge is required which is represented in the additional year of experience or education.

3. Recent occupational experience. There is an increase in recent occupational experience form "500 to 1000 hours in the last five years" to "2000 hours in the last five years". This increase is necessary so that individuals teaching programs and courses are knowledgeable about technical, economic and industrial changes as they relate to their specific occupational field. It is reasonable since it allows a five year time frame in which to acquire one year or 2000 hours of occupational experience. It would be possible therefore, to obtain the total 2000 hours by working only four summers.

4. Substitution for occupational experience. This subpart is necessary as a means of allowing teachers to expand into new, modified or restructured programs which reflect both new content area and existing content. The utilization of teaching experience in specified programs assure that only teaching experience which is conceptually related to the new, modified, or restructured program is allowed as a substitute for recent occupational experience. This recognizes specific knowledge not in current programs as applicable to new programs which contain a major portion of the same or similar content. 500 hours of recent occupational experience is still retained for the new licensure area to assure up-to-date industrial exposure to the occupation. This amount is reasonable because it can be obtained over five years and is only 12 1/2 weeks.

3700.0700 LICENSES IN THE HEALTH OCCUPATIONAL AREA

As the restructuring effort on a program is completed, the licensure revision for that specific area is started. The first licenses for revision in health occupations is the license used to teach the practical nursing program. This licenses is used as an appropriate credential for a number of extension offerings as

well. Since this license has a broad application and is widely used, this is the first permanent license chosen for revision. The Intent to Solicit Outside Opinion was published in the State Register on June 5, 1989. A resolution to authorize rule development was passed by the State Board of Vocational Technical Education on June 13, 1989. Several committee meetings, a general advisory committee meeting, and consultation with the Revisor of Statutes and the Attorney General's office resulted in the proposed rule. The State Board of Vocational Technical Education staff then made the final rule recommendations.

Subpart 1. Listed Here. This subpart informs the applicant of the requirements which must be met for an instructor seeking licensure under rules 3700.0400. It also refers to 3700.0100 which are the general licensure requirements for all instructors in the Technical Institute System.

Subpart 2. Recent Occupational Experience. Indicates to the applicant the total number of occupational recency hours required within the five years preceding the application for licensure.

Subpart 3. Does Not Apply. Repeals existing 3515 chart for the specified 3700.0466 rule and specific 3515 rules which conflict with the 3700.0466 rule.

3700.0466 Specific Licensure requirements. Specifies for the applicant specific authorization and requirements for each individual license which will come under this classification.

Subpart 1. May Teach. Lists programs and courses which license holder may teach.

Subpart 2. Other Requirements. Refers to the other requirements an applicant must meet for licensure as referred to above.

Subpart 3. Occupational and Educational Experience Requirement. Specifies education required and number of hours and specific occupational areas acceptable for instructor licensure in the specific occupational program.

Subpart 4. Substitution for Recent Occupational Experience. Identifies relevant current teaching experience which can substitute for a portion of the recency requirement of 3700.0400, subpart 2.

3700.04__ Conversion to Existing Licenses. Informs interested parties of rule numbers and converted licensure categories.

The 3700.0400 rules will be implemented using current processes and there will be no fiscal impact.

HEALTH OCCUPATIONAL AREA LICENSES

3700.0405 (3709.0230) Chiropractic Assistant
3700.0410 (3709.0240) EKG/Cardiac Technician
3700.0415 (3709.0250) Physical Therapist Assistant
3700.0425 (3709.0260) Public Safety Communication (911)
3700.0435 (3709.0270) Radiologic Technology

The preceding rule changes are minor modifications and are necessary to maintain language consistency with current revised licenses. Rule numbers are changed from temporary rule numbers of 3709 to permanent rule numbers 3700. There are no changes in the substance of the rules. The changes are editorial only and therefore reasonable.

3700.0466 PRACTICAL NURSING

Subpart 1. May teach. An instructor with a practical nursing teaching license may teach in the practical nursing programs within the technical institute system. In addition, this license allows the instructor to teach in a number of nursing related part-time or extension offerings. Our rules require an instructor teaching over 500 hours within our system to hold a full-time license despite the limited length of a program. An example would be the 75 hour nursing assistant program which might be taught by the same instructor for approximately 1000 or more hours per school year. Each of the extension areas listed have their knowledge base within the scope of practice of a registered nurse. They are, in fact, considered a delegated portion of nursing practice. The content is found within the nursing program. It is reasonable to assume then that the criteria as listed in subpart 3 for a nursing instructor would also be relevant to the listed areas. The crossover courses are courses within the nursing program and form the foundation of nursing. An applicant meeting the educational requirement for licensure in this field would have had all the courses or content listed in depth as part of his/her educational experience and it is therefore reasonable to include these courses as crossover areas.

Subpart 2. Other requirements. This refers to the general requirements as specified in 3709.0100. There are no changes in this subpart.

Subpart 3. Occupational and educational experience requirement. Educational and occupational experience is required of this applicant. The requirement for registration is a requirement which must be met as mandated by the Board of Nursing in order to practice and to teach within the field. It is therefore reasonable and necessary for an instructor in this area to be registered. In addition, the applicant must have occupational experience consistent with the content in the program. Familiarity with equipment and procedures currently used within specified institutions where program graduates may find employment enables an instructor in conjunction with the educational experience requirement to develop the skills and

attitudes required to teach within these programs. The areas as listed assure the exposure to the content as expressed above and is therefore reasonable. The ratio of occupational experience is directly related to the amount of education an applicant has. This ratio is the same as in preceding revised licenses and there is no change in this ratio.

Subpart 4. Occupational recency substitution. The teaching experience allowed is only in core content and within actual nursing programs. It is therefore a reasonable substitution. It is assumed the instructor would have contact with industry and the advisory committees which allows the opportunity for currency in the fields. In addition, the individual would still need to have the remaining 500 hours of recency. The ratio of two hours of teaching to substitute for one hour of occupational experience is the same as for previously revised licenses and there is no change in this ratio.

3700.0435 ATHLETIC TRAINER TECHNICIAN

Athletic trainer technician is a new venture program for which no appropriate program license currently exists.

Subpart 1. May teach. The applicant acquiring this license has the course content appropriate for teaching both the program and courses as listed. The rationale for this crossover is relevant to the requirements for the license as listed in subpart 3.

Subp. 2. Other requirements. Refers to requirements currently in rule regarding recency and relicensure. There are no changes in this subpart.

Subpart 3. Educational and occupational experience requirements. The requirements are in three parts. Education, certification and occupational. The degrees as listed were chosen for their content in sports technology. The content which is utilized within these degrees and taught in the athletic trainer technician program is related to prevention of athletic injuries, reconditioning evaluation and emergency treatment of athletic injuries. Included within these programs is exercise physiology, principles of physical fitness, body mechanics, sports psychology, legalities of sports and many sports training techniques. Since this makes up the core of the sports trainer technician program it is necessary for the instructor to have the cognitive knowledge to insure proper instruction in these areas. It is reasonable since these degrees are readily available within the State of Minnesota.

Certification in the Athletic Trainer's Association is a necessary portion of the required criteria to assure the instructor will have the broad base of knowledge which is common to athletics. This knowledge base required for certification will assure the hiring authority the candidate has the breadth and depth of knowledge and skills required of an individual within sports medicine. The content required to pass this certification is found within the degrees as stipulated in

subpart 3. The certification exam is given throughout the United States approximately 40 to 50 times per year. In addition it is given at least annually in the State of Minnesota. It is also given annually in the neighboring State of Wisconsin. The certification assures the hiring authority that the candidate also meets renewal requirements every 3 years enabling that individual to stay up to date on recent technology available in athletic training. This certification tells other disciplines within the health community the level of education and expertise the candidate holds and thus assuring them the candidate is within the individual scope of practice.

The occupational experience is within the field in which the graduate will be employed. It is therefore reasonable to require the applicant to have experience the occupational area for which the student is being prepared. Athletic trainer experience is an occupational area readily available in the State of Minnesota in a variety of settings.

Subp. 4. Occupational recency substitution. This subpart follows the precedent set by other revised licenses. The teaching substitution allowed is only in the areas relevant to the occupation taught. It is reasonable to assume the applicant has up to date information due to contact with the advisory committee and occupational site visits. In addition the substitution requires two hours of teaching to acquire one hour of occupational experience. It still requires the applicant to fulfill the 500 hours of occupational recency regardless of the total teaching experience.

3700.0770 SURFACE FINISHING AND PLATING TECHNICIAN

Subpart 1. May Teach. The crossover areas here are limited to surface finishing and plating technician areas. As a result of the required education and experience it is reasonable to assume the applicant has sufficient knowledge to teach in the program and the core content in the technical college system.

Subpart 2. Requirements elsewhere. Refers to requirements to be satisfied which are currently in rule. There are no changes in this subpart.

Subpart 3. Occupational and educational experience requirement. The occupational experience as described is reasonable since that experience is expressed as content within the surface finishing and plating program. The experiences were written to assure the applicant has had experience with metal finishing equipment including barrel, rack, auto, and semiautomatic equipment. In addition, it is necessary to have worked with waste treatment practices and recycle and recovery techniques. Since a wide variety of finishing processes are taught within this program the depth and breadth of experience is reasonable and necessary. It can be anticipated that graduates will be required to use a variety of surface finishing and plating procedures. This includes preparation of metal or other surfaces, various plating techniques, quality control, and analysis of plating baths and wastewater. It is reasonable therefore to require this breadth

of experience for the instructor license.

The educational experience was selected for content in chemistry and related subjects. It was reasonable to require a minimum of one year of education with emphasis on chemistry to assure the applicant would if required have the chemistry and therefore the mathematics background to teach the chemistry, algebra, and trigonometry within this program.

Certification by the American Electroplating and Surface Finishing Society is required to assure a base knowledge and breadth of education to teach this program. This 40 hours of intensive training includes Introduction to Chemistry, Mathematics, processes of electroplating and electro-chemistry. This is a reasonable requirement since it is offered six times a year and is available through correspondence.

Subpart 4. Occupational recency substitution. This subpart is in keeping with present revised licenses which allows teaching content specific to the program to substitute for 1500 hours of the required 2000 hours of occupational experience. The teaching experience is in surface finishing and plating only. It is reasonable to assume contact with industry and advisory committees which would allow the instructor up to date knowledge about the industry. In addition, it takes 2 hours of teaching experience to substitute for one hour of occupational experience. The applicant must still obtain a minimum of 500 hours of occupational experience.

3700.0765 ELECTRONICS TECHNOLOGY.

Subpart 1. May teach. An instructor may teach in the electronic program, specific trade and industrial and technical courses and finally content system wide. The program and content areas in trade and industrial, and technical were selected as appropriate given the experiences as described in subpart 3. The electronic core and electronic specific content is a reasonable system wide substitution since the applicant must verify 2 years of postsecondary education and 6000 hours occupational experience both in electronics.

Subp. 2. Other requirements. Refers to the other requirements an applicant must be which are in current rule. There are no changes in these requirements.

Subp. 3. Educational and occupational experience requirement. It is reasonable to require a minimum of two years of postsecondary education in electronics. The theory required to teach the algebra and trigonometry which are part of this program must be obtained within a classroom setting while application could be mastered within an occupational setting. Electronics technology requires a theoretical mathematical base obtained in a classroom setting. The occupational experience is quite specific to electronics since this is the base of all the electronic programs. In order to have the breadth of knowledge to teach within the electronics programs it is necessary to include installation, maintenance, troubleshooting and repair of

electronic circuitry to assure a candidate experience reflects the scope and sequence the student will be exposed to in the program content. Therefore is is a reasonable requirement. Since electronics application may occur in a variety of fields computer systems, industrial electronics, manufacturing electronics, electronic communications, and bio-medical electronics are all included as appropriate electronic experiences. This is a reasonable allowance since the base of electronic knowledge and experience have similar background although the applications may differ.

Subp. 4. Substitution for recent occupational experience. This subpart is explained previously in this statement. It is reasonable to require the teaching experience to be in electronics since that is the major focus of the programs. This applicant would be cognizant of current trends, information, and practices as a result of industrial visits, student placement and advisory committee consultation.

3700.1050 TECHNICAL COLLEGE COUNSELOR

Subpart 1. Activities requiring a license. The activities as listed are a clarification of the activities listed in current rule 3515.6600. It was necessary and reasonable to rewrite statements which contained more than one activity. They have been separated and clarified for the benefit of interested parties. There is no substantial difference in the revised rule.

Subpart 2. Other requirements. Refers to existing requirements. There is no change in this subpart.

Subpart 3. Educational and occupational experience requirements.
Item A. Requires a master's degree in counseling. There is no change from current rule.

Item B. and C. Due to the fact that counseling degrees may vary, required content was specified. The majority of degrees in counseling already contain this content; however, should a specific counseling degree lack the subject matter stated, the applicant is apprised of the need to acquire the content.

Occupational experience has been deleted from the revised rule. Since the occupational experience could be very dated and perhaps not relevant to current trends, it is eliminated. It is replaced by a practicum/internship which is supervised and evaluated, and coursework in career development and occupational information. This is necessary to be sure the applicant has proven counseling skills as well as employment information. The coursework allows for a greater breadth of occupational knowledge and is therefore reasonable for the variety of occupational training in the technical colleges.

State of Minnesota

STATE REGISTER

Department of Administration—Print Communications Division



Rules edition

Published every Monday

20 February 1990

Volume 14, Number 34

Pages 2039-2074

Interagency Resource and
Information Center
501 Capitol Square Bldg.
550 Cedar Street
St. Paul, MN 55101

On April 30, 1971, the U.S. Environmental Protection Agency (EPA) promulgated a primary and secondary National Ambient Air Quality Standard (NAAQS) for Hydrocarbons (HC). The NAAQS for HC was established as a "guide in devising state implementation plans to achieve oxidant standards." Minnesota had adopted the identical standard for HC by 1972.

NAAQS for HC, excluding methane, were not based on direct health or welfare effects of HC but were promulgated because they represented EPA's judgment of the maximum level of hydrocarbons that would ensure the attainment of the NAAQS for photochemical oxidants. EPA has since determined that there is no single, universally applicable relationship between HC and welfare effects at or near ambient levels. EPA revoked the federal primary and secondary NAAQS for HC on January 5, 1983.

The MPCA requests information and comments concerning the subject matter of the standard. Interested persons or groups may submit statements of information or comments in writing or orally. Written statements relating specifically to the subject matter of the standard should be addressed to Norma L. Florell at the address and telephone number listed below.

Minnesota Pollution Control Agency
Division of Air Quality
520 Lafayette Road North
St. Paul, Minnesota 55155
Telephone: 612/296-7712

Oral comments will be received during regular business hours over the telephone at the MPCA offices.

All statements of information and oral comments will be accepted until March 30, 1990. Any written material received by the MPCA shall become part of the rulemaking record to be submitted to the Office of the Attorney General in the event that the standard is repealed.

Gerald L. Willet
Commissioner

State Board of Vocational Technical Education

Notice of Intent to Solicit Outside Opinion Regarding Proposed Rules Governing the Rules for Licensure of Postsecondary Technical Education Personnel

NOTICE IS HEREBY GIVEN that the State Board of Vocational Technical Education is seeking information or opinions from sources outside the agency in preparing to amend Chapter Thirty-Five: Rules for Licensure of Vocational Technical Education Personnel and specifically in Surface Finishing and Plating. The adoption of these rules is authorized by *Minnesota Statutes* § 136C.04, subd. 9, and 125.185 subd. 4.

The State Board of Vocational Technical Education requests information and comments concerning the subject matter of these rules. Interested or affected persons may submit written statements of information or comment orally. Written comments should be addressed to:

Ms. Jeanette Daines
State Board of Vocational
Technical Education
100 Capitol Square Bldg.
550 Cedar Street
St. Paul, MN 55101
(612) 296-0679

Ms. Georgia Pomroy
State Board of Vocational
Technical Education
100 Capitol Square Bldg.
550 Cedar Street
St. Paul, MN 55101
(612) 296-0680

Oral statements will be received during regular business hours over the telephone at (612) 296-0680 or in person at the above address.

All statements of information and comments shall be accepted until 4:30 p.m., Thursday, March 29, 1990. Any written material received by the State Board of Vocational Technical Education shall become part of the record to be submitted to the Attorney General or Administrative Law Judge in the event the rule is adopted.

Helen Henrie, Interim State Director
State Board of Vocational Technical Education

State of Minnesota

STATE REGISTER

Department of Administration—Print Communications Division



Published every Monday

5 June 1989

Volume 13, Number 49

Pages 2891-2922

State Board of Vocational Technical Education

Opinion Sought Regarding Proposed Rules Governing the Rules for Licensure of Postsecondary Technical Education Personnel

Notice is hereby given that the State Board of Vocational Technical Education is seeking information or opinions from sources outside the agency in preparing to amend Chapter Thirty-Five: Rules for Licensure of Vocational Technical Education Personnel and specifically in Marketing, Health, Technical, Business and Office, and Permissive. The promulgation of these rules is authorized by *Minnesota Statutes* § 136C.04, subd. 9. and 125.185 subd. 4.

The State Board of Vocational Technical Education requests information and comments concerning the subject matter of these rules. Interested or affected persons may submit written statements of information or comment orally. Written comments should be addressed to:

Ms. Glenda Moyers
State Board of Vocational
Technical Education
100 Capitol Square Bldg.
550 Cedar Street
St. Paul, MN 55101
(612) 296-9444

Ms. Georgia Pomroy
State Board of Vocational
Technical Education
100 Capitol Square Bldg.
550 Cedar Street
St. Paul, MN 55101
(612) 296-3929

Oral Statements will be received during regular business hours over the telephone at (612) 296-3929 or in person at the above address.

All statements of information and comments shall be accepted until 4:30 p.m., Wednesday, July 5, 1989. Any written material received by the State Board of Vocational Technical Education shall become part of the record to be submitted to the Attorney General or Administrative Law Judge in the event the rule is adopted.

Helen Henrie, Deputy Director
State Board of Vocational
Technical Education

NOTARY PUBLIC LAWS

Statutory requirements regarding the oath of office, necessary bond, and taking of depositions. Includes an explanation of the term of office and procedures for removal from office. Code No. 2-13. $4.00.



Jane Smith
NOTARY PUBLIC-MINNESOTA
RAMSEY COUNTY
My Commission Expires January 1, 1994

U.S. SMALL BUSINESS ADMINISTRATION PUBLICATIONS:

Insurance and Risk Management for Small Business	Code No. 16-50. $3.00.
Small Business Finance	Code No. 16-42. $2.00.
Starting and Managing a Small Business of Your Own	Code No. 16-40. $4.75.

TO ORDER: Send to Minnesota's Bookstore, 117 University Avenue, St. Paul, MN 55155. Call (612) 297-3000, or toll-free in Minnesota: 1-800-652-9747. Minnesota residents please include 6% sales tax. On all orders, add $1.50 per order for postage and handling. Prepayment is required. Please include daytime phone. VISA/MasterCard orders accepted over phone and through mail. **Prices are subject to change.**

Publication editors: As a public service, please reprint this ad in your publication as is, reduced, enlarged, or redesigned to suit your format. Thank you.

Georgia, please see pg 983.

State of Minnesota

STATE REGISTER

Department of Administration—Print Communications Division



Rules edition
Published every Monday

9 October 1989

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Pages 937-1000

State Board of Vocational Technical Education

Notice of Intent to Solicit Outside Opinion Regarding Proposed Rules Governing the Rules for Licensure of Postsecondary Technical Education Personnel

NOTICE IS HEREBY GIVEN that the State Board of Vocational Technical Education is seeking information or opinions from sources outside the agency in preparing to amend Chapter Thirty-Five: Rules for Licensure of Vocational Technical Education Personnel and specifically in Student Developmental Services Licenses: Counselor. Interpreter for the Deaf. Vocational Advisor. Student Developmental Services Supervisor; General education and general studies; General licensure rules: Voluntary surrender of teacher licenses; New Ventures: Marketing Occupations. Customer Service Management. Postal Service Management; Health Occupations: Athletic Medicine Technology; Technical Occupations. Electronics Technology. Promulgation of these rules is authorized by *Minnesota Statutes* § 136C.04. subd. 9. and 125.185 subd. 4.

The State Board of Vocational Technical Education requests information and comments concerning the subject matter of these rules. Interested or affected persons may submit written statements of information or comment orally. Written comments should be addressed to:

Ms. Glenda Moyers
State Board of Vocational
Technical Education
100 Capitol Square Bldg.
550 Cedar Street
St. Paul. MN 55101
(612) 296-9444

Ms. Georgia Pomroy
State Board of Vocational
Technical Education
100 Capitol Square Bldg.
550 Cedar Street
St. Paul. MN 55101
(612) 296-0680

Oral statements will be received during regular business hours over the telephone at (612) 296-0680 or in person at the above address.

All statements of information and comments shall be accepted until 4:30 p.m., Tuesday. November 7. 1989. Any written material received by the State Board of Vocational Technical Education shall become part of the record to be submitted to the Attorney General or Administrative Law Judge in the event the rule is adopted.

Helen Henrie. Deputy Director
State Board of Vocational
Technical Education

State Contracts and Advertised Bids

Pursuant to the provisions of Minn. Stat. §14.10, an agency must make reasonable effort to publicize the availability of any services contract or professional and technical services contract which has an estimated cost of over $2,000.

Department of Administration procedures require that notice of any consultant services contract or professional and technical services contract which has an estimated cost of over $10,000 be printed in the *State Register*. These procedures also require that the following information be included in the notice: name of contact person, agency name and address, description of project and tasks, cost estimate, and final submission date of completed contract proposal. Certain quasi-state agencies are exempted from some of the provisions of this statute.

Commodities contracts with an estimated value of $15,000 or more are listed under the Procurement Division, Department of Administration. All bids are open for 7-10 days before bidding deadline. For bid specifics, time lines, and other general information, contact the appropriate buyers whose initials appear in parentheses next to the commodity for bid, by calling (612) 296-6152.

Awards of contracts and advertised bids for commodities and printing, as well as awards of professional, technical and consulting contracts, appear in the midweek STATE REGISTER Contracts Supplement, published every Thursday. Call (612) 296-0931 for subscription information. Thank you.

Department of Administration: Materials Management Division

Contracts and Requisitions Open for Bid

Call 296-2600 for information on a specific bid, or to request a specific bid.

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CERTIFICATE OF THE

STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

AUTHORIZING RESOLUTION FOR RULE WITHOUT A PUBLIC HEARING

I, JoAnn Cardenas Enos, do hereby certify that I am a member and the President of the State Board of Vocational Technical Education, a board duly authorized under the laws of the State of Minnesota, and that the following is a true, complete, and correct copy of a resolution adopted at a meeting of the State Board of Vocational Technical Education duly and properly called and held on the 10th day of October 1989 that a quorum was present, and that a majority of those present voted for the resolution which has not been rescinded or modified.

> "RESOLVED, that Helen Henrie, Deputy State Director of the Minnesota Technical College System is hereby granted the authority and directed to sign and to give the Notice of Board's Intent to Adopt a rule without a public hearing governing Post-Secondary Vocational Licensure of personnel for Student Developmental Services Licenses: Counselor, Interpreter for the Deaf, Vocational Advisor, Student Developmental Services Supervisor; General education and general studies; General licensure rules: Voluntary surrender of teacher licenses; New Ventures: Marketing Occupations, Customer Service Management, Postal Service Management; Health Occupations: Athletic Medicine Technology; Technical Occupations, Electronics Technology to all persons who have registered their names with the Board for that purpose and publish the Notice and rule in the *State Register* and to perform any and all acts incidental thereto."

IN WITNESS WHEREOF, I have hereunto subscribed my name this 10th day of October 1989.

JoAnn Cardenas Enos
President
State Board of Vocational Technical Education

Douglas Knowlton
Attest by one other Board Member

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CERTIFICATE OF THE

STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

AUTHORIZING RESOLUTION FOR RULE WITHOUT A PUBLIC HEARING

I, JoAnn Cardenas Enos, do hereby certify that I am a member and the President of the State Board of Vocational Technical Education, a board duly authorized under the laws of the State of Minnesota, and that the following is a true, complete, and correct copy of a resolution adopted at a meeting of the State Board of Vocational Technical Education duly and properly called and held on the 20th day of June 1989 that a quorum was present, and that a majority of those present voted for the resolution which has not been rescinded or modified.

"RESOLVED, that Helen Henrie, Deputy State Director of the Minnesota Technical Institute System is hereby granted the authority and directed to sign and to give the Notice of Board's Intent to Adopt a rule without a public hearing governing Post-Secondary Vocational Licensure of personnel for Permanent rules for Marketing, Health, Technical, Business and Office, and Permissive to all persons who have registered their names with the Board for that purpose and publish the Notice and rule in the *State Register* and to perform any and all acts incidental thereto."

IN WITNESS WHEREOF, I have hereunto subscribed my name this 20th day of June 1989.

JoAnn Cardenas Enos
President
State Board of Vocational Technical Education

Attest by one other Board Member

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CERTIFICATE OF THE

STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

AUTHORIZING RESOLUTION FOR RULE WITHOUT A PUBLIC HEARING

I, F. B. Daniel, do hereby certify that I am a member and the President of the State Board of Vocational Technical Education, a board duly authorized under the laws of the State of Minnesota, and that the following is a true, complete, and correct copy of a resolution adopted at a meeting of the State Board of Vocational Technical Education duly and properly called and held on the 13th day of February 1990 that a quorum was present, and that a majority of those present voted for the resolution which has not been rescinded or modified.

> "RESOLVED, that Helen Henrie, Interim State Director of the Minnesota Technical College System is hereby granted the authority and directed to sign and to give the Notice of Board's Intent to Adopt a rule without a public hearing governing Post-Secondary Vocational Licensure of personnel for Technical Occupations - Surface Finishing and Plating to all persons who have registered their names with the Board for that purpose and publish the Notice and rule in the *State Register* and to perform any and all acts incidental thereto."

IN WITNESS WHEREOF, I have hereunto subscribed my name this 13th day of February 1990.

F. B. Daniel
President
State Board of Vocational Technical Education

Allan F. Olson
Attest by one other Board Member

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DEPARTMENT OF THE STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

In the Matter of the Proposed Adoption of the Rules of the State of Minnesota, State Board of Vocational Technical Education, Governing Health Occupations, Surface Finishing and Plating Technician, and Electronics Technology, Rules 3700.0400 to 3700.0435, 3700.0770, 3700.0765

NOTICE OF INTENT TO ADOPT A RULE WITHOUT A PUBLIC HEARING

(1) Notice is hereby given that the State Board of Vocational Technical Education intends to adopt the above-entitled rule without a public hearing following the procedures set forth in the Administrative Procedure Act for adopting rules without a public hearing in Minnesota Statutes, Section 14.22 to 14.28. The statutory authority to adopt the rules is Minnesota Statutes 136C.04, Subdivision 9.

(2) All persons have 30 days until 4:30 p.m., 16th day, August, 1990, in which to submit comment in support of or in opposition to the proposed rule or any part or subpart of the rule. Comment is encouraged. (3) Each comment should identify the portion of the proposed rule addressed, the reason for comment, and any change proposed.

Any person may make a written request for a public hearing on the rule within the 30-day comment period. (4) If 25 or more persons submit a written request for a public hearing within the 30-day comment period, a public hearing will be held unless a sufficient number withdraw their request in writing. (6) Any person requesting a public hearing should state his or her name and address, and is encouraged to identify the portion of the proposed rule addressed, the reason for the request, and any change proposed. (7) If a public hearing is required, the agency will proceed pursuant to Minnesota Statutes, Sections 14.131 to 14.20.

(5) Comments or written requests for a public hearing must be submitted to either:

Jeanette Daines, Supervisor
Minnesota Technical College System
100 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: 612-296-0679

Georgia Pomroy, License Revision Specialist
Minnesota Technical College System
100 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: 612-296-0680

(8) The proposed rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed rule as noticed.

(11) A copy of the proposed rule is attached to this notice.

(12) A Statement of Need and Reasonableness that describes the need for and reasonableness of each provision of the proposed rule and identifies the data and information relied upon to support the proposed rule has been prepared and is available from Jeanette Daines or Georgia Pomroy at the above address and phone, upon request.

(9) If no hearing is required, upon adoption of the rule, the rule and the required supporting documents will be submitted to the Attorney General for review as to legality and form to the extent the form relates to legality. Any person may request notification of the date of submission to the Attorney General. Persons who wish to be advised of the submission of this material to the Attorney General, or wish to receive a copy of the adopted rule must submit the written request to either Jeanette Daines or Georgia Pomroy at the above-mentioned address.

Helen Henrie

Helen Henrie, Interim State Director
State Board of Vocational Technical Education

Date 6/28/90

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Georgia Pomroy

Minnesota Technical College Sy

State Board of Technical Colleges
Capitol Square Building 550 Cedar Street St. Paul, MN 55101

Campus Locations
ALBERT LEA
ALEXANDRIA
ANOKA
AUSTIN
BEMIDJI
BRAINERD
BROOKLYN PARK
CANBY
DETROIT LAKES
DULUTH
EAST GRAND FORKS
EDEN PRAIRIE
EVELETH
FARIBAULT
GRANITE FALLS
HIBBING
HUTCHINSON
JACKSON
MANKATO
MINNEAPOLIS
MOORHEAD
PINE CITY
PIPESTONE
RED WING
ROCHESTER
ROSEMOUNT
ST. CLOUD
ST. PAUL
STAPLES
THIEF RIVER FALLS
WADENA
WHITE BEAR LAKE
WILLMAR
WINONA

MEMORANDUM

TO: Persons Registered with the State Board of Vocational Technical Education to Receive Notice of Any Rulemaking Proceedings

FROM: Helen Henrie, Interim State Director
State Board of Vocational Technical Education

DATE: July 11, 1990

RE: Notice of Proposed Adoption of Permanent Rules

Enclosed you will find the Notice of Proposed Adoption of Rules relating to licensure criteria 3700.0400 to 3700.0435, 3700.0770, 3700.0765.

Postsecondary Vocational Technical Education relating to

Health Occupations

3700.0405	Chiropractic Assistant
3700.0410	EKG/Cardiac Technician
3700.0415	Physical Therapist Assistant
3700.0420	Practical Nursing
3700.0425	Public Safety Communication (911)
3700.0430	Radiologic Technology
3700.0435	Athletic Training Technician

Technical Occupations

3700.0765	Electronics Technology
3700.0770	Surface Finishing and Plating Technician

GP:lrv
MEMO2.HTE

Enclosures

DEPARTMENT OF THE STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

In the Matter of the Proposed Adoption of the Rules of the State of Minnesota, State Board of Vocational Technical Education, Governing Health Occupations, Surface Finishing and Plating Technician, and Electronics Technology, Rules 3700.0400 to 3700.0435, 3700.0770, 3700.0765

NOTICE OF INTENT TO ADOPT A RULE WITHOUT A PUBLIC HEARING

Notice is hereby given that the State Board of Vocational Technical Education intends to adopt the above-entitled rule without a public hearing following the procedures set forth in the Administrative Procedure Act for adopting rules without a public hearing in Minnesota Statutes, Section 14.22 to 14.28. The statutory authority to adopt the rules is Minnesota Statutes 136C.04, Subdivision 9.

All persons have 30 days until 4:30 p.m., 16th day, August, 1990, in which to submit comment in support of or in opposition to the proposed rule or any part or subpart of the rule. Comment is encouraged. Each comment should identify the portion of the proposed rule addressed, the reason for comment, and any change proposed.

Any person may make a written request for a public hearing on the rule within the 30-day comment period. If 25 or more persons submit a written request for a public hearing within the 30-day comment period, a public hearing will be held unless a sufficient number withdraw their request in writing. Any person requesting a public hearing should state his or her name and address, and is encouraged to identify the portion of the proposed rule addressed, the reason for the request, and any change proposed. If a public hearing is required, the agency will proceed pursuant to Minnesota Statutes, Sections 14.131 to 14.20.

Comments or written requests for a public hearing must be submitted to either:

Jeanette Daines, Supervisor
Minnesota Technical College System
100 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: 612-296-0679

Georgia Pomroy, License Revision Specialist
Minnesota Technical College System
100 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: 612-296-0680

The proposed rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed rule as noticed.

A copy of the proposed rule is attached to this notice.

A Statement of Need and Reasonableness that describes the need for and reasonableness of each provision of the proposed rule and identifies the data and information relied upon to support the proposed rule has been prepared and is available from Jeanette Daines or Georgia Pomroy at the above address and phone, upon request.

If no hearing is required, upon adoption of the rule, the rule and the required supporting documents will be submitted to the Attorney General for review as to legality and form to the extent the form relates to legality. Any person may request notification of the date of submission to the Attorney General. Persons who wish to be advised of the submission of this material to the Attorney General, or wish to receive a copy of the adopted rule must submit the written request to either Jeanette Daines or Georgia Pomroy at the above-mentioned address.

Helen Henrie, Interim State Director
State Board of Vocational Technical Education

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Board of Vocational Technical Education

Proposed Permanent Rules Relating to Technical College Instructional Licensure

Rules as Proposed

3700.0400 LICENSES IN THE HEALTH OCCUPATIONAL AREA.

Subpart 1. **Listed here.** An applicant for a license to teach postsecondary vocational courses and programs in the health occupational area must meet the requirements in this part. These requirements are in addition to the requirements in part 3700.0100 and for a particular license (listed under the part that covers that particular license).

Subp. 2. **Recent occupational experience.** An applicant for a license to teach in the health occupational area must have 2,000 hours of occupational experience within the five years just before applying for licensure.

Subp. 3. **Substitution.** The total number of hours substituted for occupational experience must not exceed 4,000.

Subp. 4. **Does not apply.** Parts 3515.9920 to 3515.9930 do not apply to parts 3700.0400 and 3700.0466.

~~3709.0230~~ 3700.0405 CHIROPRACTIC ASSISTANT.

Subpart 1. **May teach.** A teacher who has a chiropractic assistant instructor license may teach in the chiropractic assistant program.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Educational and occupational experience requirement.** The applicant must have the educational and occupational experience described in item A, B, or C. The education must be from an accredited postsecondary institution.

A. Licensed chiropractor and 4,000 hours of ~~verified~~ occupational experience in a chiropractic office or chiropractic

Approved by Revisor Craig E. Swiecke

hospital. This experience must include office procedures, insurance coverage, physical agents application, X-ray, and examinations.

B. Diploma or 90 or more quarter credits from a two-year chiropractic technician or chiropractic assistant program and 6,000 hours of ~~verified~~ occupational experience as a technician or assistant in a chiropractic office or chiropractic hospital. The experience must include office procedures, insurance coverage, physical agents application, and assisting the chiropractor with X-ray and examinations.

C. Diploma or 45 or more quarter credits from a one-year chiropractic technician or chiropractic assistant program or an American Chiropractic Registered Radiologist technician **program** and 7,000 hours of ~~verified~~ occupational experience as a technician or assistant in a chiropractic office or chiropractic hospital. The experience must include office procedures, insurance coverage, physical agents application, and assisting the chiropractor with X-ray and examinations.

Subp. 4. ~~Occupational recency~~ **Substitution for recent occupational experience.** The applicant may substitute teaching experience at an accredited postsecondary institution, or at an industrial or military setting ~~may be substituted~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400, subpart 2, if the teaching is done during the five-year period. The teaching must be in primary program content in chiropractic assisting, chiropractic technician, or chiropractic practice. Two hours of teaching equal one hour of occupational experience.

~~3709.0240~~ 3700.0410 EKG/CARDIAC TECHNICIAN.

Subpart 1. **May teach.** A teacher who has an EKG/cardiac technician license may teach in the EKG/cardiac technician program and may also teach cardiopulmonary resuscitation.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements for a teacher in the health occupational area under part

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3700.0400.

Subp. 3. **Occupational experience requirement.** The applicant must have current cardiopulmonary resuscitation instructor certification and 8,000 hours of ~~verified~~ occupational experience in one of the following:

A. registered nurse in critical care using 12 lead cardiograms, exercise stress testing of clients, care of clients with pacemakers, and interpreting basic and advanced cardiac rhythms; or

B. supervisory EKG/cardiac technician.

Subp. 4. **Substitution for occupational experience.** An applicant may substitute the education described under item A, B, C, or D for up to 4,000 hours of occupational experience required in subpart 3. The education must be from an accredited postsecondary institution.

A. A bachelor's or higher degree with a major in medicine, nursing, or cardiac technology may be substituted for 4,000 hours.

B. An associate degree in nursing, perfusionist, echo cardiac sonographer, EKG/cardiac technician, cardiac technology, biomedical equipment, cardiopulmonary, medical laboratory, medical technology, medical imaging, or radiography, or a bachelor's degree in biomedical science or medical technology may be substituted for 2,000 hours.

C. A diploma in nursing, perfusionist, EKG/cardiac technology, or cardiac technician may be substituted. A one-year program or a program of 45 or more quarter credits equals 1,050 hours. A two- or three-year program or a program of 90 or more quarter credits equals 2,100 hours.

D. The completion of courses for credit or clock hours for credit in cardiac care, cardiac conditions, or cardiac equipment use and maintenance may be substituted. One hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

Subp. 5. **~~Occupational~~ recency Substitution for recent**

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occupational experience. The applicant may substitute teaching experience at an accredited postsecondary institution, or at an industrial or military setting, or public safety agency ~~may be substituted~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400, subpart 2, if the teaching is done during the five-year period. The teaching must be in cardiac technology. Two hours of teaching equal one hour of occupational experience.

~~3709.0250~~ 3700.0415 PHYSICAL THERAPIST ASSISTANT.

Subpart 1. **May teach.** A teacher who has a physical therapist assistant instructor license may teach in the physical therapist assistant program and may also teach courses in anatomy and physiology, medical terminology, exercise physiology, kinesiology, neuroanatomy and neurophysiology, and physical disability/rehabilitation.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Occupational and educational experience requirement.** The applicant must have the following experiences:

A. a bachelor's or higher degree with a major in physical therapy from an American Physical Therapy Association accredited institution;

B. physical therapist registration in the state of Minnesota; and

C. 4,000 hours of ~~verified~~ occupational experience as a registered physical therapist in at least two of the following: acute care setting, outpatient physical therapy, long-term care, or rehabilitation setting.

Subp. 4. ~~Occupational recency~~ **Substitution** for recent occupational experience. The applicant may substitute teaching experience at an American Physical Therapy Association accredited institution ~~may be substituted~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400,

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subpart 2, if the teaching is done during the five-year period. The teaching must be in primary program content in physical therapy or physical therapy assistant. Two hours of teaching equal one hour of occupational experience.

3700.0420 PRACTICAL NURSING.

Subpart 1. **May teach.** A teacher who has a practical nursing instructor's license may teach the following: practical nursing, health unit coordinator, homemaker/home health aide, nursing assistant, passenger assistance, human services and medical assistant/nursing component, and may also teach the following courses:

A. integrated sciences/anatomy and physiology;

B. integrated sciences/medical terminology;

C. administration of medicines;

D. human behavior and communications in health care;

E. ethical/legal aspects of health care;

F. disease conditions;

G. pediatric health care; and

H. geriatric health care.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Educational and occupational experience requirements.** The applicant must have current Minnesota nursing registration and the experience as described in item A, B, C, or D. The education must be from an accredited postsecondary institution. The occupational experience may be as a registered nurse or licensed practical nurse.

A. A bachelor's or higher degree in nursing and 4,000 hours of occupational experience as a public health nurse, home health care nurse, or a nurse doing direct patient care in a hospital, skilled or intermediate nursing care facility, or in a hospice.

B. An associate degree in nursing and 6,000 hours of occupational experience as a public health nurse, home health

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nurse, or a nurse doing direct patient care in a hospital, skilled or intermediate nursing care facility, or in a hospice.

C. Diploma from a three-year nursing program and 4,000 hours of occupational experience as a public health nurse, home health nurse, or a nurse doing direct patient care in a hospital, skilled or intermediate nursing care facility, or in a hospice.

Subp. 4. **Substitution for recent occupational experience.** The applicant may substitute teaching experience in primary program content at an accredited postsecondary institution in nursing programs that prepare individuals for state licensure as a practical nurse or registered nurse for up to 1,500 of the 2,000 hours required in part 3700.0400. Two hours of teaching equal one hour of occupational experience.

~~3709.0260~~ 3700.0425 PUBLIC SAFETY COMMUNICATION (911).

Subpart 1. **May teach.** A teacher who has a public safety communication (911) license may teach in the public safety communication (911) program and may also teach emergency communications.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Occupational experience requirement.** The applicant must have 8,000 hours of ~~verified~~ occupational experience as an operator dispatcher or supervisor in a public safety communications center with a minimum of 6,000 of the 8,000 hours doing the job of an operator dispatcher. Operator dispatcher includes level III operator dispatcher or communication training operator (CTO). Supervisor includes lead dispatcher, head dispatcher, communications manager, assistant supervisor, or shift supervisor.

Subp. 4. **Substitution for occupational experience.** An applicant may substitute the education described under item A, B, C, or D for up to 4,000 hours of occupational experience

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required under subpart 3. The education must be from an accredited postsecondary institution.

A. A bachelor's or higher degree with a major in law enforcement, criminal justice, ~~or~~ corrections, emergency medical services, or fire protection may be substituted for 4,000 hours.

B. An associate degree in emergency medical service, fire protection, law enforcement ~~or~~, public safety communications, or a bachelor's degree or higher in public administration may be substituted for 2,000 hours.

C. A diploma in law enforcement ~~or~~, public safety, fire protection, or communication may be substituted. A one-year program or a program of 45 or more quarter credits equals 1,050 hours. A two- or three-year program equals 2,100 hours.

D. The completion of courses for credit or clock hours for credit in the use of public safety emergency telecommunications equipment may be substituted. One hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

Subp. 5. **~~Occupational recency~~ Substitution for occupational recency.** The applicant may substitute teaching experience at an accredited postsecondary institution, or at an industrial or military setting, or public safety agency ~~may be substituted~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400, subpart 2, if the teaching is done during the five-year period. The teaching must be in public safety communication. Two hours of teaching equal one hour of occupational experience.

~~3709.0270~~ 3700.0430 RADIOLOGIC TECHNOLOGY.

Subpart 1. **May teach.** A teacher who has a radiologic technology license may teach in the radiologic technology program.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements

Approved by Revisor _____

for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Occupational and educational experience requirement.** The applicant must:

A. have a two-year certificate, associate degree or above in radiologic technology;

B. be credentialed in radiography by the American Registry of Radiologic Technologists; and

C. have 6,000 hours of ~~verified~~ occupational experience as a certified radiographer in a medical setting.

Subp. 4. ~~Occupational recency~~ **Substitution for occupational recency.** The applicant may substitute teaching experience at a postsecondary institution in an accredited program of radiographic technology ~~may be substituted~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400, subpart 2, if the teaching is done during the five-year period. The teaching must be in radiologic technology. Two hours of teaching equal one hour of occupational experience.

Rules as Proposed (all new material)

3700.0435 ATHLETIC TRAINING TECHNICIAN LICENSE.

Subpart 1. **May teach.** A teacher who has an athletic training technician license may teach in the athletic training technician program and may also teach courses in:

A. biomechanics;

B. exercise physiology;

C. sports injuries recognition, care, and management;

D. strength conditioning;

E. sports equipment fit, care, and use;

F. sports training, testing, and conditioning;

G. legalities of sports; and

H. sports rehabilitation techniques.

Subp. 2. **Other requirements.** An applicant must meet the requirements listed in part 3700.0100 and the requirements for a

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teacher in the health occupational area under part 3700.0400.

Subp. 3. **Educational and occupational experience requirements.** An applicant must have the experiences as described in items A, B, and C. The education must come from an accredited postsecondary institution.

A. Bachelor's or higher degree with a science major in health, sports, or exercise.

B. Athletic trainer certification obtained from the Athletic Trainers Association.

C. 4,000 hours of occupational experience as an athletic trainer.

Subp. 4. **Substitution for recent occupational experience.** An applicant may substitute teaching experience at an accredited postsecondary institution in primary program content in athletic trainer, athletic medicine technology, or physical education for 1,500 of the 2,000 hours required under part 3700.0100, subpart 2. Two hours of teaching equal one hour of the occupational experience required in part 3700.0400, subpart 2.

3700.0770 SURFACE FINISHING AND PLATING TECHNICIAN LICENSE.

Subpart 1. **May teach.** A teacher who has a surface finishing and plating technician license may teach in the surface finishing and plating technician program and may also teach courses in surface finishing and plating anywhere in the technical college system.

Subp. 2. **Other requirements.** An applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the technical area under part 3700.0700.

Subp. 3. **Occupational and educational experience requirements.** An applicant must have the educational and occupational experience as described in item A, B, or C. The education must be from an accredited postsecondary institution.

A. Bachelor's or higher degree with a major in chemistry, chemical engineering, electrochemistry, material science, or metallurgy; occupational experience of 4,000 hours in surface finishing and electroplating, including bath make-up

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and maintenance including wet analysis, surface finishing and plating processes and equipment, physical testing for quality control of product and process, and waste management for plating; and certification by the American Electroplating and Surface Finishing Society.

B. Two years of postsecondary education with a degree, diploma, or certificate in surface finishing and electroplating including 15 quarter credits in chemistry; occupational experience of 6,000 hours in surface finishing and electroplating, including bath make-up and maintenance including wet analysis, surface finishing and plating processes and equipment, physical testing for qualify control of product and process, and waste management for plating; and certification by the American Electroplating and Surface Finishing Society.

C. One year of postsecondary education including 15 quarter credits of chemistry; occupational experience of 7,000 hours in surface finishing and electroplating, including bath make-up and maintenance including wet analysis, surface finishing and plating processes and equipment, physical testing for quality control of product and process, and waste management for plating; and certification by the American Electroplating and Surface Finishing Society.

Subp. 4. **Occupational recency substitution.** Teaching experience at an accredited postsecondary institution, industrial, or military setting may be substituted for 1,500 of the 2,000 hours required in part 3700.0700, subpart 2, if the teaching is in primary program content in surface finishing and electroplating technology. Two hours of teaching equal one hour of occupational experience.

Approved by Revisor _____

Board of Vocational Technical Education

Proposed Permanent Rules Relating to Electronics Technology Instructor License

Rules as Proposed (all new material)

3700.0765 ELECTRONICS TECHNOLOGY LICENSE.

Subpart 1. **May teach.** A teacher who has an electronics technology instructor license may teach in the electronics technology programs and may also teach:

A. electronics core; and

B. any course which is electronic theory or application.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part 3700.0100 and the requirements for a teacher in the technical occupational area under part 3700.0700.

Subp. 3. **Educational and occupational experience requirement.** The applicant must have the educational and occupational experience described in items A and B:

A. a minimum of two years of education in electronics technology from an accredited postsecondary institution resulting in a diploma, certificate, or degree; and

B. 6,000 hours of occupational experience in installation, maintenance, troubleshooting, and repair of electronic circuitry in any of the following areas:

(1) computer systems;

(2) industrial electronics;

(3) manufacturing electronics;

(4) electronic communications;

(5) biomedical electronics; or

(6) consumer electronics.

Subp. 4. **Substitution for recent occupational experience.** Teaching experience at an accredited postsecondary institution, industrial, business, or military setting in primary program content in electronics technology may be substituted for 1,500

Approved by Revisor

of the 2,000 hours required under part 3700.0700, subpart 2. Two hours of teaching equal one hour of occupational experience for purposes of part 3700.0700, subpart 2.

Approved
by Revisor _____

DEPARTMENT OF THE STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

In the Matter of the Proposed Adoption of the Rules of the State of Minnesota, State Board of Vocational Technical Education, Governing Technical College Counselor rule 3700.1050

NOTICE OF INTENT TO ADOPT A RULE WITHOUT A PUBLIC HEARING

(1) Notice is hereby given that the State Board of Vocational Technical Education intends to adopt the above-entitled rule without a public hearing following the procedures set forth in the Administrative Procedure Act for adopting rules without a public hearing in Minnesota Statutes, Section 14.22 to 14.28. The statutory authority to adopt the rules is Minnesota Statutes 136C.04, Subdivision 9.

(2) All persons have 30 days until 4:30 p.m., Thursday, August 23, 1990, in which to submit comment in support of or in opposition to the proposed rule or any part or subpart of the rule. Comment is encouraged. (3) Each comment should identify the portion of the proposed rule addressed, the reason for comment, and any change proposed.

Any person may make a written request for a public hearing on the rule within the 30-day comment period. (4) If 25 or more persons submit a written request for a public hearing within the 30-day comment period, a public hearing will be held unless a sufficient number withdraw their request in writing. (6) Any person requesting a public hearing should state his or her name and address, and is encouraged to identify the portion of the proposed rule addressed, the reason for the request, and any change proposed. (7) If a public hearing is required, the agency will proceed pursuant to Minnesota Statutes, Sections 14.131 to 14.20.

(5) Comments or written requests for a public hearing must be submitted to either:

Jeanette Daines, Supervisor
Minnesota Technical College System
100 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: 612-296-0679

Georgia Pomroy, License Revision Specialist
Minnesota Technical College System
100 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: 612-296-0680

(8) The proposed rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed rule as noticed.

(11) A copy of the proposed rule is attached to this notice.

(12) A Statement of Need and Reasonableness that describes the need for and reasonableness of each provision of the proposed rule and identifies the data and information relied upon to support the proposed rule has been prepared and is available from Jeanette Daines or Georgia Pomroy at the above address and phone, upon request.

(9) If no hearing is required, upon adoption of the rule, the rule and the required supporting documents will be submitted to the Attorney General for review as to legality and form to the extent the form relates to legality. Any person may request notification of the date of submission to the Attorney General. Persons who wish to be advised of the submission of this material to the Attorney General, or wish to receive a copy of the adopted rule must submit the written request to either Jeanette Daines or Georgia Pomroy at the above-mentioned address.

Helen Henrie

Helen Henrie, Interim State Director
State Board of Vocational Technical Education

Date: July 3 1990

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Georgia Pomroy

Minnesota Technical Colle

State Board of Vocational Technical Education
Capitol Square Building 550 Cedar Street St. Paul, MN 55101

Campus Locations

ALBERT LEA
ALEXANDRIA
ANOKA
AUSTIN
BEMIDJI
BRAINERD
BROOKLYN PARK
CANBY
DETROIT LAKES
DULUTH
EAST GRAND FORKS
EDEN PRAIRIE
EVELETH
FARIBAULT
GRANITE FALLS
HIBBING
HUTCHINSON
JACKSON
MANKATO
MINNEAPOLIS
MOORHEAD
PINE CITY
PIPESTONE
RED WING
ROCHESTER
ROSEMOUNT
ST. CLOUD
ST. PAUL
STAPLES
THIEF RIVER FALLS
WADENA
WHITE BEAR LAKE
WILLMAR
WINONA

M E M O R A N D U M

TO: Persons Registered with the State Board of Vocational Technical Education to Receive Notice of Any Rulemaking Proceedings

FROM: Helen Henrie, Interim State Director
State Board of Vocational Technical Education

DATE: July 18, 1990

RE: Notice of Proposed Adoption of Permanent Rules

Enclosed you will find the Notice of Proposed Adoption of Rules relating to licensure criteria 3700.1050.

Postsecondary Vocational Technical Education relating to
Counseling Occupations

3700.1050 Technical College Counselor

GP:lrv
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Enclosures

An Equal Opportunity EDUCATOR and EMPLOYER

DEPARTMENT OF THE STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

In the Matter of the Proposed Adoption of the Rules of the State of Minnesota, State Board of Vocational Technical Education, Governing Technical College Counselor rule 3700.1050

NOTICE OF INTENT TO ADOPT A RULE WITHOUT A PUBLIC HEARING

Notice is hereby given that the State Board of Vocational Technical Education intends to adopt the above-entitled rule without a public hearing following the procedures set forth in the Administrative Procedure Act for adopting rules without a public hearing in Minnesota Statutes, Section 14.22 to 14.28. The statutory authority to adopt the rules is Minnesota Statutes 136C.04, Subdivision 9.

All persons have 30 days until 4:30 p.m., Thursday, August 23, 1990, in which to submit comment in support of or in opposition to the proposed rule or any part or subpart of the rule. Comment is encouraged. Each comment should identify the portion of the proposed rule addressed, the reason for comment, and any change proposed.

Any person may make a written request for a public hearing on the rule within the 30-day comment period. If 25 or more persons submit a written request for a public hearing within the 30-day comment period, a public hearing will be held unless a sufficient number withdraw their request in writing. Any person requesting a public hearing should state his or her name and address, and is encouraged to identify the portion of the proposed rule addressed, the reason for the request, and any change proposed. If a public hearing is required, the agency will proceed pursuant to Minnesota Statutes, Sections 14.131 to 14.20.

Comments or written requests for a public hearing must be submitted to either:

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Telephone: 612-296-0679

Georgia Pomroy, License Revision Specialist
Minnesota Technical College System
100 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: 612-296-0680

The proposed rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed rule as noticed.

A copy of the proposed rule is attached to this notice.

A Statement of Need and Reasonableness that describes the need for and reasonableness of each provision of the proposed rule and identifies the data and information relied upon to support the proposed rule has been prepared and is available from Jeanette Daines or Georgia Pomroy at the above address and phone, upon request.

If no hearing is required, upon adoption of the rule, the rule and the required supporting documents will be submitted to the Attorney General for review as to legality and form to the extent the form relates to legality. Any person may request notification of the date of submission to the Attorney General. Persons who wish to be advised of the submission of this material to the Attorney General, or wish to receive a copy of the adopted rule must submit the written request to either Jeanette Daines or Georgia Pomroy at the above-mentioned address.

Helen Henrie, Interim State Director
State Board of Vocational Technical Education

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State Board of Vocational Technical Education

Proposed Permanent Rules Relating to Technical College Counselor License

Rules as Proposed (all new material)

3700.1050 TECHNICAL COLLEGE COUNSELOR.

Subpart 1. **Activities requiring a license.** A person referred to as a counselor in a technical college must be licensed under this part and must:

A. apply career development theories to assist students and prospective students in making appropriate career decisions;

B. assist students and prospective students in obtaining information and resources necessary for attaining academic, career, and personal goals;

C. select, administer, and interpret psychometric assessment instruments including achievement, ability, aptitude, values, interest, and personality;

D. apply personal development and counseling theories in assisting students and prospective students with resolving issues relating to interpersonal relationships, personal barriers, and social situations that may interfere with their academic and career objectives;

E. serve as a student advocate through consulting with technical college staff, staff of other educational institutions, and community agencies to make the environment as beneficial to the educational, emotional, and physical development of students as possible;

F. plan, facilitate, and implement training workshops and support groups to assist individuals in their career and personal development; and

G. supervise and administer the activities necessary to meet the specialized transitional needs of students during the admissions, retention, and placement process.

Approved by Revisor PMM

Subp. 2. Other requirements. The applicant must meet the requirements in part 3700.0100, except that the applicant need not comply with part 3515.1400, items A to D.

Subp. 3. Educational and occupational experience. The applicant must have the experiences as described in items A to D:

A. master's or higher degree with a major in counseling;

B. degree must include or have added college credits in all of the following content:

(1) supervised practicum/internship in counseling;

(2) group counseling; and

(3) career development theory and occupational information; and

C. college credits with content in two of the following:

(1) cultural diversity;

(2) adult development;

(3) ethics;

(4) family systems theory; or

(5) chemical dependency.

REPEALER. Minnesota Rules, part 3515.6600, is repealed.

Approved by Revisor _____

Georgia, see pg 146 -cy

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State Register

Department of Administration—Print Communications Division

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23 July 1990

Volume 15, Number 4

Pages 141-248

D. information demonstrating the technical feasibility of the proposed project, including preliminary design and engineering plans for capital expenditures, if applicable; and

E. information demonstrating that the project will comply with applicable regulations, including a list of permits required for the project.

Subp. 6. **Evaluation of proposals.** The director shall evaluate each proposal that is determined to be eligible and complete and shall award grants to those projects that, in the director's view, best satisfy the following criteria:

A. the proposed project is technically and economically feasible;

B. the applicant has the experience and knowledge to complete the proposed project and is committed to implementing the proposed project in a timely manner upon receipt of a loan award;

C. the proposed project is consistent with the office's solid waste reduction priorities;

D. the proposed project has the necessary financial commitment to cover all project costs; and

E. the proposed project complies with federal, state, and local regulations.

In addition, the director shall give priority to solid waste reduction projects that have broad application in the state and that have the potential to significantly reduce the generation of solid waste.

State Board of Vocational Technical Education

Proposed Permanent Rules Relating to Technical College Counselor License

Notice of Intent to Adopt a Rule Without a Public Hearing

NOTICE IS HEREBY GIVEN that the State Board of Vocational Technical Education intends to adopt the above-entitled rule without a public hearing following the procedures set forth in the Administrative Procedure Act for adopting rules without a public hearing in *Minnesota Statutes*, Section 14.22 to 14.28. The statutory authority to adopt the rules is *Minnesota Statutes* 136C.04, Subdivision 9.

All persons have 30 days until 4:30 p.m., Thursday, August 23, 1990, in which to submit comment in support of or in opposition to the proposed rule or any part or subpart of the rule. Comment is encouraged. Each comment should identify the portion of the proposed rule addressed, the reason for comment, and any change proposed.

Any person may make a written request for a public hearing on the rule within the 30-day comment period. If 25 or more persons submit a written request for a public hearing within the 30-day comment period, a public hearing will be held unless a sufficient number withdraw their request in writing. Any person requesting a public hearing should state his or her name and address, and is encouraged to identify the portion of the proposed rule addressed, the reason for the request, and any change proposed. If a public hearing is required, the agency will proceed pursuant to *Minnesota Statutes*, Sections 14.131 to 14.20.

Comments or written requests for a public hearing must be submitted to either:

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Telephone: 612-296-0679

Georgia Pomroy, License Revision Specialist
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100 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: 612-296-0680

The proposed rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed rule as noticed.

A copy of the proposed rule is attached to this notice.

A STATEMENT OF NEED AND REASONABLENESS that describes the need for and reasonableness of each provision of the proposed rule and identifies the data and information relied upon to support the proposed rule has been prepared and is available from Jeanette Daines or Georgia Pomroy at the above address and phone, upon request.

If no hearing is required, upon adoption of the rule, the rule and the required supporting documents will be submitted to the Attorney General for review as to legality and form to the extent the form relates to legality. Any person may request notification of the date of submission to the Attorney General. Persons who wish to be advised of the submission of this material to the Attorney General, or

wish to receive a copy of the adopted rule must submit the written request to either Jeanette Daines or Georgia Pomroy at the above-mentioned address.

Helen Henrie, Interim State Director
State Board of Vocational Technical Education

Rules as Proposed (all new material)

3700.1050 TECHNICAL COLLEGE COUNSELOR.

Subpart 1. **Activities requiring a license.** A person referred to as a counselor in a technical college must be licensed under this part and must:

A. apply career development theories to assist students and prospective students in making appropriate career decisions;

B. assist students and prospective students in obtaining information and resources necessary for attaining academic, career, and personal goals;

C. select, administer, and interpret psychometric assessment instruments including achievement, ability, aptitude, values, interest, and personality;

D. apply personal development and counseling theories in assisting students and prospective students with resolving issues relating to interpersonal relationships, personal barriers, and social situations that may interfere with their academic and career objectives;

E. serve as a student advocate through consulting with technical college staff, staff of other educational institutions, and community agencies to make the environment as beneficial to the educational, emotional, and physical development of students as possible;

F. plan, facilitate, and implement training workshops and support groups to assist individuals in their career and personal development; and

G. supervise and administer the activities necessary to meet the specialized transitional needs of students during the admissions, retention, and placement process.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part 3700.0100, except that the applicant need not comply with part 3515.1400, items A to D.

Subp. 3. **Educational and occupational experience.** The applicant must have the experiences as described in items A to D:

A. master's or higher degree with a major in counseling;

B. degree must include or have added college credits in all of the following content:

(1) supervised practicum/internship in counseling;

(2) group counseling; and

(3) career development theory and occupational information; and

C. college credits with content in two of the following:

(1) cultural diversity;

(2) adult development;

(3) ethics;

(4) family systems theory; or

(5) chemical dependency.

REPEALER. *Minnesota Rules*, part 3515.6600, is repealed.

KEY: PROPOSED RULES SECTION — Underlining indicates additions to existing rule language. ~~Strike outs~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." **ADOPTED RULES SECTION** — Underlining indicates additions to proposed rule language. ~~Strike outs~~ indicate deletions from proposed rule language.

Georgia, pg 111 & 112 -g

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within the scope of authority expressed in the agreement. The agency may issue exemption certificates as authorized in part 8130.3000 in the name of the principal and signed by the advertising agency as purchasing agent.

REPEALER. *Minnesota Rules*, part 8130.9200 is repealed.

Board of Vocational Technical Education

Proposed Permanent Rules Relating to Technical College Instructional Licensure

Notice of Intent to Adopt a Rule Without a Public Hearing

NOTICE IS HEREBY GIVEN that the State Board of Vocational Technical Education intends to adopt the above-entitled rule without a public hearing following the procedures set forth in the Administrative Procedure Act for adopting rules without a public hearing in *Minnesota Statutes*, Section 14.22 to 14.28. The statutory authority to adopt the rules is *Minnesota Statutes* 136C.04, Subdivision 9.

All persons have 30 days until 4:30 p.m., 16th day, August, 1990, in which to submit comment in support of or in opposition to the proposed rule or any part or subpart of the rule. Comment is encouraged. Each comment should identify the portion of the proposed rule addressed, the reason for comment, and any change proposed.

Any person may make a written request for a public hearing on the rule within the 30-day comment period. If 25 or more persons submit a written request for a public hearing within the 30-day comment period, a public hearing will be held unless a sufficient number withdraw their request in writing. Any person requesting a public hearing should state his or her name and address, and is encouraged to identify the portion of the proposed rule addressed, the reason for the request, and any change proposed. If a public hearing is required, the agency will proceed pursuant to *Minnesota Statutes*, Sections 14.131 to 14.20.

Comments or written requests for a public hearing must be submitted to either:

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550 Cedar Street
St. Paul, MN 55101
Telephone: 612-296-0679

Georgia Pomroy, License Revision Specialist
Minnesota Technical College System
100 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: 612-296-0680

The proposed rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed rule as noticed.

A copy of the proposed rule is attached to this notice.

A Statement of Need and Reasonableness that describes the need for and reasonableness of each provision of the proposed rule and identifies the data and information relied upon to support the proposed rule has been prepared and is available from Jeanette Daines or Georgia Pomroy at the above address and phone, upon request.

If no hearing is required, upon adoption of the rule, the rule and the required supporting documents will be submitted to the Attorney General for review as to legality and form to the extent the form relates to legality. Any person may request notification of the date of submission to the Attorney General. Persons who wish to be advised of the submission of this material to the Attorney General, or wish to receive a copy of the adopted rule must submit the written rquest to either Jeanette Daines or Georgia Pomroy at the above-mentioned address.

Helen Henrie, Interim State Director
State Board of Vocational Technical Education

Rules as Proposed

3700.0400 LICENSES IN THE HEALTH OCCUPATIONAL AREA.

Subpart 1. **Listed here.** An applicant for a license to teach postsecondary vocational courses and programs in the health occupational area must meet the requirements in this part. These requirements are in addition to the requirements in part 3700.0100 and for a particular license (listed under the part that covers that particular license).

KEY: PROPOSED RULES SECTION — Underlining indicates additions to existing rule language. ~~Strike outs~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." **ADOPTED RULES SECTION** — Underlining indicates additions to proposed rule language. ~~Strike outs~~ indicate deletions from proposed rule language.

Subp. 2. **Recent occupational experience.** An applicant for a license to teach in the health occupational area must have 2,000 hours of occupational experience within the five years just before applying for licensure.

Subp. 3. **Substitution.** The total number of hours substituted for occupational experience must not exceed 4,000.

Subp. 4. **Does not apply.** Parts 3515.9920 to 3515.9930 do not apply to parts 3700.0400 and 3700.0466.

~~3709.0230~~ 3700.0405 CHIROPRACTIC ASSISTANT.

Subpart 1. **May teach.** A teacher who has a chiropractic assistant instructor license may teach in the chiropractic assistant program.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Educational and occupational experience requirement.** The applicant must have the educational and occupational experience described in item A, B, or C. The education must be from an accredited postsecondary institution.

A. Licensed chiropractor and 4,000 hours of ~~verified~~ occupational experience in a chiropractic office or chiropractic hospital. This experience must include office procedures, insurance coverage, physical agents application, X-ray, and examinations.

B. Diploma or 90 or more quarter credits from a two-year chiropractic technician or chiropractic assistant program and 6,000 hours of ~~verified~~ occupational experience as a technician or assistant in a chiropractic office or chiropractic hospital. The experience must include office procedures, insurance coverage, physical agents application, and assisting the chiropractor with X-ray and examinations.

C. Diploma or 45 or more quarter credits from a one-year chiropractic technician or chiropractic assistant program or an American Chiropractic Registered Radiologist technician ~~program~~ and 7,000 hours of ~~verified~~ occupational experience as a technician or assistant in a chiropractic office or chiropractic hospital. The experience must include office procedures, insurance coverage, physical agents application, and assisting the chiropractor with X-ray and examinations.

Subp. 4. ~~**Occupational recency**~~ **Substitution for recent occupational experience.** The applicant may substitute teaching experience at an accredited postsecondary institution, or at an industrial or military setting ~~may be substituted~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400, subpart 2, if the teaching is done during the five-year period. The teaching must be in primary program content in chiropractic assisting, chiropractic technician, or chiropractic practice. Two hours of teaching equal one hour of occupational experience.

~~3709.0240~~ 3700.0410 EKG/CARDIAC TECHNICIAN.

Subpart 1. **May teach.** A teacher who has an EKG/cardiac technician license may teach in the EKG/cardiac technician program and may also teach cardiopulmonary resuscitation.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Occupational experience requirement.** The applicant must have current cardiopulmonary resuscitation instructor certification and 8,000 hours of ~~verified~~ occupational experience in one of the following:

A. registered nurse in critical care using 12 lead cardiograms, exercise stress testing of clients, care of clients with pacemakers, and interpreting basic and advanced cardiac rhythms; or

B. supervisory EKG/cardiac technician.

Subp. 4. **Substitution for occupational experience.** An applicant may substitute the education described under item A, B, C, or D for up to 4,000 hours of occupational experience required in subpart 3. The education must be from an accredited postsecondary institution.

A. A bachelor's or higher degree with a major in medicine, nursing, or cardiac technology may be substituted for 4,000 hours.

B. An associate degree in nursing, perfusionist, echo cardiac sonographer, EKG/cardiac technician, cardiac technology, biomedical equipment, cardiopulmonary, medical laboratory, medical technology, medical imaging, or radiography, or a bachelor's degree in biomedical science or medical technology may be substituted for 2,000 hours.

C. A diploma in nursing, perfusionist, EKG/cardiac technology, or cardiac technician may be substituted. A one-year program or a program of 45 or more quarter credits equals 1,050 hours. A two- or three-year program or a program of 90 or more quarter credits equals 2,100 hours.

D. The completion of courses for credit or clock hours for credit in cardiac care, cardiac conditions, or cardiac equipment use and maintenance may be substituted. One hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

Subp. 5. ~~**Occupational recency**~~ **Substitution for recent occupational experience.** The applicant may substitute teaching experience

at an accredited postsecondary institution, or at an industrial or military setting, or public safety agency ~~may be substituted~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400, subpart 2, if the teaching is done during the five-year period. The teaching must be in cardiac technology. Two hours of teaching equal one hour of occupational experience.

~~3709.0250~~ 3700.0415 PHYSICAL THERAPIST ASSISTANT.

Subpart 1. **May teach.** A teacher who has a physical therapist assistant instructor license may teach in the physical therapist assistant program and may also teach courses in anatomy and physiology, medical terminology, exercise physiology, kinesiology, neuroanatomy and neurophysiology, and physical disability/rehabilitation.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Occupational and educational experience requirement.** The applicant must have the following experiences:

A. a bachelor's or higher degree with a major in physical therapy from an American Physical Therapy Association accredited institution;

B. physical therapist registration in the state of Minnesota; and

C. 4,000 hours of ~~verified~~ occupational experience as a registered physical therapist in at least two of the following: acute care setting, outpatient physical therapy, long-term care, or rehabilitation setting.

Subp. 4. ~~**Occupational recency**~~ **Substitution for recent occupational experience.** The applicant may substitute teaching experience at an American Physical Therapy Association accredited institution ~~may be substituted~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400, subpart 2, if the teaching is done during the five-year period. The teaching must be in primary program content in physical therapy or physical therapy assistant. Two hours of teaching equal one hour of occupational experience.

3700.0420 PRACTICAL NURSING.

Subpart 1. **May teach.** A teacher who has a practical nursing instructor's license may teach the following: practical nursing, health unit coordinator, homemaker/home health aide, nursing assistant, passenger assistance, human services and medical assistant/nursing component, and may also teach the following courses:

A. integrated sciences/anatomy and physiology;

B. integrated sciences/medical terminology;

C. administration of medicines;

D. human behavior and communications in health care;

E. ethical/legal aspects of health care;

F. disease conditions;

G. pediatric health care; and

H. geriatric health care.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Educational and occupational experience requirements.** The applicant must have current Minnesota nursing registration and the experience as described in item A, B, C, or D. The education must be from an accredited postsecondary institution. The occupational experience may be as a registered nurse or licensed practical nurse.

A. A bachelor's or higher degree in nursing and 4,000 hours of occupational experience as a public health nurse, home health care nurse, or a nurse doing direct patient care in a hospital, skilled or intermediate nursing care facility, or in a hospice.

B. An associate degree in nursing and 6,000 hours of occupational experience as a public health nurse, home health nurse, or a nurse doing direct patient care in a hospital, skilled or intermediate nursing care facility, or in a hospice.

C. Diploma from a three-year nursing program and 4,000 hours of occupational experience as a public health nurse, home health nurse, or a nurse doing direct patient care in a hospital, skilled or intermediate nursing care facility, or in a hospice.

KEY: PROPOSED RULES SECTION — Underlining indicates additions to existing rule language. ~~Strike outs~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." **ADOPTED RULES SECTION** — Underlining indicates additions to proposed rule language. ~~Strike outs~~ indicate deletions from proposed rule language.

Subp. 4. **Substitution for recent occupational experience.** The applicant may substitute teaching experience in primary program content at an accredited postsecondary institution in nursing programs that prepare individuals for state licensure as a practical nurse or registered nurse for up to 1,500 of the 2,000 hours required in part 3700.0400. Two hours of teaching equal one hour of occupational experience.

~~3709.0260~~ 3700.0425 PUBLIC SAFETY COMMUNICATION (911).

Subpart 1. **May teach.** A teacher who has a public safety communication (911) license may teach in the public safety communication (911) program and may also teach emergency communications.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Occupational experience requirement.** The applicant must have 8,000 hours of ~~verified~~ occupational experience as an operator dispatcher or supervisor in a public safety communications center with a minimum of 6,000 of the 8,000 hours doing the job of an operator dispatcher. Operator dispatcher includes level III operator dispatcher or communication training operator (CTO). Supervisor includes lead dispatcher, head dispatcher, communications manager, assistant supervisor, or shift supervisor.

Subp. 4. **Substitution for occupational experience.** An applicant may substitute the education described under item A, B, C, or D for up to 4,000 hours of occupational experience required under subpart 3. The education must be from an accredited postsecondary institution.

A. A bachelor's or higher degree with a major in law enforcement, criminal justice, ~~or~~ corrections, emergency medical services, or fire protection may be substituted for 4,000 hours.

B. An associate degree in emergency medical service, fire protection, law enforcement ~~or~~, public safety communications, or a bachelor's degree or higher in public administration may be substituted for 2,000 hours.

C. A diploma in law enforcement ~~or~~, public safety, fire protection, or communication may be substituted. A one-year program or a program of 45 or more quarter credits equals 1,050 hours. A two- or three-year program equals 2,100 hours.

D. The completion of courses for credit or clock hours for credit in the use of public safety emergency telecommunications equipment may be substituted. One hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

Subp. 5. ~~**Occupational recency**~~ **Substitution for occupational recency.** The applicant may substitute teaching experience at an accredited postsecondary institution, or at an industrial or military setting, or public safety agency ~~may be substituted~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400, subpart 2, if the teaching is done during the five-year period. The teaching must be in public safety communication. Two hours of teaching equal one hour of occupational experience.

~~3709.0270~~ 3700.0430 RADIOLOGIC TECHNOLOGY.

Subpart 1. **May teach.** A teacher who has a radiologic technology license may teach in the radiologic technology program.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Occupational and educational experience requirement.** The applicant must:

A. have a two-year certificate, associate degree or above in radiologic technology;

B. be credentialed in radiography by the American Registry of Radiologic Technologists; and

C. have 6,000 hours of ~~verified~~ occupational experience as a certified radiographer in a medical setting.

Subp. 4. ~~**Occupational recency**~~ **Substitution for occupational recency.** The applicant may substitute teaching experience at a postsecondary institution in an accredited program of radiographic technology ~~may be substituted~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400, subpart 2, if the teaching is done during the five-year period. The teaching must be in radiologic technology. Two hours of teaching equal one hour of occupational experience.

Rules as Proposed (all new material)

3700.0435 ATHLETIC TRAINING TECHNICIAN LICENSE.

Subpart 1. **May teach.** A teacher who has an athletic training technician license may teach in the athletic training technician program and may also teach courses in:

A. biomechanics;

B. exercise physiology;

C. sports injuries recognition, care, and management;

D. strength conditioning;

E. sports equipment fit, care, and use;

F. sports training, testing, and conditioning;

G. legalities of sports; and

H. sports rehabilitation techniques.

Subp. 2. **Other requirements.** An applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Educational and occupational experience requirements.** An applicant must have the experiences as described in items A, B, and C. The education must come from an accredited postsecondary institution.

A. Bachelor's or higher degree with a science major in health, sports, or exercise.

B. Athletic trainer certification obtained from the Athletic Trainers Association.

C. 4,000 hours of occupational experience as an athletic trainer.

Subp. 4. **Substitution for recent occupational experience.** An applicant may substitute teaching experience at an accredited postsecondary institution in primary program content in athletic trainer, athletic medicine technology, or physical education for 1,500 of the 2,000 hours required under part 3700.0100, subpart 2. Two hours of teaching equal one hour of the occupational experience required in part 3700.0400, subpart 2.

3700.0770 SURFACE FINISHING AND PLATING TECHNICIAN LICENSE.

Subpart 1. **May teach.** A teacher who has a surface finishing and plating technician license may teach in the surface finishing and plating technician program and may also teach courses in surface finishing and plating anywhere in the technical college system.

Subp. 2. **Other requirements.** An applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the technical area under part 3700.0700.

Subp. 3. **Occupational and educational experience requirements.** An applicant must have the educational and occupational experience as described in item A, B, or C. The education must be from an accredited postsecondary institution.

A. Bachelor's or higher degree with a major in chemistry, chemical engineering, electrochemistry, material science, or metallurgy; occupational experience of 4,000 hours in surface finishing and electroplating, including bath make-up and maintenance including wet analysis, surface finishing and plating processes and equipment, physical testing for quality control of product and process, and waste management for plating; and certification by the American Electroplating and Surface Finishing Society.

B. Two years of postsecondary education with a degree, diploma, or certificate in surface finishing and electroplating including 15 quarter credits in chemistry; occupational experience of 6,000 hours in surface finishing and electroplating, including bath make-up and maintenance including wet analysis, surface finishing and plating processes and equipment, physical testing for qualify control of product and process, and waste management for plating; and certification by the American Electroplating and Surface Finishing Society.

C. One year of postsecondary education including 15 quarter credits of chemistry; occupational experience of 7,000 hours in surface finishing and electroplating, including bath make-up and maintenance including wet analysis, surface finishing and plating processes and equipment, physical testing for quality control of product and process, and waste management for plating; and certification by the American Electroplating and Surface Finishing Society.

Subp. 4. **Occupational recency substitution.** Teaching experience at an accredited postsecondary institution, industrial, or military setting may be substituted for 1,500 of the 2,000 hours required in part 3700.0700, subpart 2, if the teaching is in primary program content in surface finishing and electroplating technology. Two hours of teaching equal one hour of occupational experience.

Board of Vocational Technical Education

Proposed Permanent Rules Relating to Electronics Technology Instructor License

Notice of Intent to Adopt a Rule Without a Public Hearing

NOTICE IS HEREBY GIVEN that the State Board of Vocational Technical Education intends to adopt the above-entitled rule without a public hearing following the procedures set forth in the Administrative Procedure Act for adopting rules without a public hearing in *Minnesota Statutes*, Section 14.22 to 14.28. The statutory authority to adopt the rules is *Minnesota Statutes* 136C.04, Subdivision 9.

All persons have 30 days until 4:30 p.m., 16th day, August, 1990, in which to submit comment in support of or in opposition to the proposed rule or any part or subpart of the rule. Comment is encouraged. Each comment should identify the portion of the proposed rule addressed, the reason for comment, and any change proposed.

Any person may make a written request for a public hearing on the rule within the 30-day comment period. If 25 or more persons submit a written request for a public hearing within the 30-day comment period, a public hearing will be held unless a sufficient number withdraw their request in writing. Any person requesting a public hearing should state his or her name and address, and is encouraged to identify the portion of the proposed rule addressed, the reason for the request, and any change proposed. If a public hearing is required, the agency will proceed pursuant to *Minnesota Statutes*, Sections 14.131 to 14.20.

Comments or written requests for a public hearing must be submitted to either:

Jeanette Daines, Supervisor
Minnesota Technical College System
100 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: 612-296-0679

Georgia Pomroy, License Revision Specialist
Minnesota Technical College System
100 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: 612-296-0680

The proposed rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed rule as noticed.

A copy of the proposed rule is attached to this notice.

A Statement of Need and Reasonableness that describes the need for and reasonableness of each provision of the proposed rule and identifies the data and information relied upon to support the proposed rule has been prepared and is available from Jeanette Daines or Georgia Pomroy at the above address and phone, upon request.

If no hearing is required, upon adoption of the rule, the rule and the required supporting documents will be submitted to the Attorney General for review as to legality and form to the extent the form relates to legality. Any person may request notification of the date of submission to the Attorney General. Persons who wish to be advised of the submission of this material to the Attorney General, or wish to receive a copy of the adopted rule must submit the written request to either Jeanette Daines or Georgia Pomroy at the above-mentioned address.

Helen Henrie, Interim State Director
State Board of Vocational Technical Education

Rules as Proposed (all new material)

3700.0765 ELECTRONICS TECHNOLOGY LICENSE.

Subpart 1. **May teach.** A teacher who has an electronics technology instructor license may teach in the electronics technology programs and may also teach:

A. electronics core; and

B. any course which is electronic theory or application.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part 3700.0100 and the requirements for a teacher in the technical occupational area under part 3700.0700.

Subp. 3. **Educational and occupational experience requirement.** The applicant must have the educational and occupational experience described in items A and B:

A. a minimum of two years of education in electronics technology from an accredited postsecondary institution resulting in a diploma, certificate, or degree; and

B. 6,000 hours of occupational experience in installation, maintenance, troubleshooting, and repair of electronic circuitry in any of the following areas:

(1) computer systems;

(2) industrial electronics;

(3) manufacturing electronics;

(4) electronic communications;

(5) biomedical electronics; or

(6) consumer electronics.

Subp. 4. **Substitution for recent occupational experience.** Teaching experience at an accredited postsecondary institution, industrial, business, or military setting in primary program content in electronics technology may be substituted for 1,500 of the 2,000 hours required under part 3700.0700, subpart 2. Two hours of teaching equal one hour of occupational experience for purposes of part 3700.0700, subpart 2.

Adopted Rules

The adoption of a rule becomes effective after the requirements of Minn. Stat. §14.14-14.28 have been met and five working days after the rule is published in *State Register*, unless a later date is required by statutes or specified in the rule.

If an adopted rule is identical to its proposed form as previously published, a notice of adoption and a citation to its previous *State Register* publication will be printed.

If an adopted rule differs from its proposed form, language which has been deleted will be printed with strikeouts and new language will be underlined. The rule's previous *State Register* publication will be cited.

An emergency rule becomes effective five working days after the approval of the Attorney General as specified in Minn. Stat. §14.33 and upon the approval of the Revisor of Statutes as specified in §14.36. Notice of approval by the Attorney General will be published as soon as practicable, and the adopted emergency rule will be published in the manner provided for adopted rules under §14.18.

Board of Electricity

Adopted Permanent Rules Relating to Uniform Electrical Violation Citation

The rule proposed and published at *State Register*, Volume 14, Number 25, pages 1413-1415, December 18, 1989 (14 S.R. 1413), and Volume 14, Number 42, pages 2451-2452, April 16, 1990 (14 S.R. 2451) is adopted as proposed.

Department of Health

Adopted Permanent Rules Relating to Emergency Medical Technician Certificates

The rules proposed and published at *State Register*, Volume 14, Number 29, pages 1793-1794, January 16, 1990 (14 S.R. 1793) and Volume 14, Number 41, page 2431, April 9, 1990 (14 S.R. 2431) are adopted as proposed.

Department of Human Services

Adopted Permanent Rules Relating to Aid to Families with Dependent Children

The rules proposed and published at *State Register*, Volume 14, Number 31, pages 1901-1920, January 29, 1990 (14 S.R. 1901) are adopted with the following modifications:

Rules as Adopted

9500.2060 DEFINITIONS.

Subp. 58. **Full-time student.** "Full-time student" means a person who is enrolled in ~~and attending~~ a graded or ungraded primary, intermediate, secondary, GED preparatory, trade, technical, vocational, or postsecondary school, and who meets the school's standard for full-time attendance.

9500.2140 BASIC ELIGIBILITY REQUIREMENTS.

Subp. 5. **Physical presence.** To be eligible for AFDC, a dependent child and a caretaker must live together except as provided in items A to C.

KEY: PROPOSED RULES SECTION — Underlining indicates additions to existing rule language. ~~Strike outs~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." **ADOPTED RULES SECTION** — Underlining indicates additions to proposed rule language. ~~Strike outs~~ indicate deletions from proposed rule language.

In the Matter of the Proposed Adoption of the Rule of the State of Minnesota, State Board of Vocational Technical Education Governing Licensure Criteria: Postsecondary Vocational Technical Education, Minnesota Rules 3700.0400 to 3700.0435 (Health Occupations), 3700.0770 (Surface Finishing and Plating Technician), and 3700.0765 (Electronics Technology)

AFFIDAVIT OF MAILING THE NOTICE OF INTENT TO ADOPT A RULE WITHOUT A PUBLIC HEARING AND CERTIFICATE OF MAILING LIST

STATE OF MINNESOTA]
] **ss.**
COUNTY OF RAMSEY]

LeAnn R. VanDorsten, being sworn says:

I hereby certify that the list of persons and associations who have requested, pursuant to Minnesota Statutes, sections 14.14, subdivision 1a and 14.22 or 14.30, that their names be placed on the State Board of Vocational Technical Education rulemaking mailing list is accurate, complete and current as of this 11th day of July, 1990.

That on the 11th day of July, 1990, at the City of St. Paul, County of Ramsey, State of Minnesota, I mailed the attached Notice of Intent to Adopt A Rule Without a Public Hearing for Health Occupations rules 3700.0400 to 3700.0435, Surface Finishing and Plating Technician rule 3700.0770, and Electronics Technology rule 3700.0765 by depositing in the State of Minnesota Central Mail System for United States mailing, a copy thereof, with postage prepaid, to all persons and associations on the aforementioned mailing list.

LeAnn R. VanDorsten
[Name]

Executive I
[Title]

Subscribed and sworn to before me
this 11th day of July, 1990.

Caroline E. Wisniewski

CAROLINE E. WISNIEWSKI
NOTARY PUBLIC-MINNESOTA
DAKOTA COUNTY
MY COMMISSION EXPIRES MARCH 28, 1991

9920.HTE

Mailing List for Health Occupations, Surface Finishing and Plating, and Electronics Technology

July 11, 1990

1. Directors
2. Assistant Directors
3. Adult Extension Directors
4. Permanent Rule Making Mailing List
5. Special Committee Members (see attached)

TITLE	FIRST NAME	LAST NAME	TECHNICAL COLLEGE	ADDRESS	CITY, STATE, ZIP	PHONE
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TITLE	FIRST NAME	LAST NAME	TECHNICAL COLLEGE	ADDRESS	CITY, STATE, ZIP	PHONE
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MR.	DONALD	BLUHM	ALEXANDRIA TECHNICAL COLLEGE	1601 JEFFERSON	ALEXANDRIA, MN 56308	(612) 762-0221
MR.	RON	SVEDJAN	ANOKA TECHNICAL COLLEGE	1355 WEST HIGHWAY 10	ANOKA, MN 55303	(612) 427-1880
MR.	JOHN	GEDKER	AUSTIN TECHNICAL COLLEGE	1900 EIGHTH AVENUE NW	AUSTIN, MN 55912	(507) 433-0600
MS.	MARY	EATON	BEMIDJI TECHNICAL COLLEGE	905 GRANT AVE SE	BEMIDJI, MN 56601	(218) 751-4137
MR.	KEVIN	KOPISCHKE	BRAINERD TECHNICAL COLLEGE	300 QUINCE STREET	BRAINERD, MN 56401	(218) 828-5344
MS.	DOROTHY	DODDS	DAKOTA COUNTY TECH. COLLEGE	1300 145TH STREET EAST	ROSEMOUNT, MN 55068	(218) 423-8301
MR.	BOB	JARVI	DAKOTA COUNTY TECH. COLLEGE	1300 145TH STREET EAST	ROSEMOUNT, MN 55068	(612) 423-8301
MR.	KEITH	GILBERTSON	DETROIT LAKES TECH. COLLEGE	HIGHWAY 34 EAST	DETROIT LAKES, MN 56501	(218) 847-1341
MR.	RODGER	PALMER	DULUTH TECHNICAL COLLEGE	2101 TRINITY ROAD	DULUTH, MN 55811	(218) 722-2801
MR.	GALEN	CARIVEAU	EAST GRAND FORKS TECH COLLEGE	HIGHWAY 220 NORTH	EAST GRAND FORKS, MN 56721	(218) 773-3443
MR.	GEORGE	WALTERS	EVELETH TECHNICAL COLLEGE	HIGHWAY 53	EVELETH, MN 55734	(218) 744-3302
MR.	DON	OLSON	FARIBAULT TECHNICAL COLLEGE	1255 SOUTHWEST THIRD	FARIBAULT, MN 55021	(507) 334-3965
MR.	JIM	SWANSON	HENNEPIN TECHNICAL COLLEGE	9200 FLYING CLOUD DR.	EDEN PRAIRIE, MN 55347	(612) 944-2222
MS.	SHIRLEY	JOHNSON	HENNEPIN TECHNICAL COLLEGE	9000 BROOKLYN BLVD.	BROOKLYN PARK, MN 55445	(612) 425-3800
MR.	JIM	ROSSBACH	HENNEPIN TECHNICAL COLLEGE	1820 NORTH XENIUM	MINNEAPOLIS, MN 55441	(612) 559-3535
MS.	CHARLOTTE	SKIBICKI	HIBBING TECHNICAL COLLEGE	2900 EAST BELTLINE	HIBBING, MN 55746	(218) 262-6688
MR.	GEORGE	HALONEN	HUTCHINSON TECHNICAL COLLEGE	TWO CENTURY AVENUE	HUTCHINSON, MN 55350	(612) 587-3636
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May 11, 1990
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~~7/27/90~~

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Julie Eazlinger-
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Mark Bossen
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Albert Lea, MN 56007

In the Matter of the Proposed Adoption of the Rule of the State of Minnesota, State Board of Vocational Technical Education Governing Licensure Criteria: Postsecondary Vocational Technical Education, Minnesota Rules 3700.0150, Technical College Counselor

AFFIDAVIT OF MAILING THE NOTICE OF INTENT TO ADOPT A RULE WITHOUT A PUBLIC HEARING AND CERTIFICATE OF MAILING LIST

STATE OF MINNESOTA]
] **ss.**
COUNTY OF RAMSEY]

LeAnn R. VanDorsten, being sworn says:

I hereby certify that the list of persons and associations who have requested, pursuant to Minnesota Statutes, sections 14.14, subdivision 1a and 14.22 or 14.30, that their names be placed on the State Board of Vocational Technical Education rulemaking mailing list is accurate, complete and current as of this 18th day of July, 1990.

That on the 18th day of July, 1990, at the City of St. Paul, County of Ramsey, State of Minnesota, I mailed the attached Notice of Intent to Adopt A Rule Without a Public Hearing for Technical College Counselor Rule 3700.1050 by depositing in the State of Minnesota Central Mail System for United States mailing, a copy thereof, with postage prepaid, to all persons and associations on the aforementioned mailing list.

LeAnn R. VanDorsten
[Name]

Executive I
[Title]

Subscribed and sworn to before me
this 18th day of July, 1990.

Caroline E. Wisniewski

CAROLINE E. WISNIEWSKI
NOTARY PUBLIC-MINNESOTA
DAKOTA COUNTY
MY COMMISSION EXPIRES MARCH 28, 1991

9920.COU

Mailing List for Counselor licensure rules

July 18, 1990

1. Directors 56
2. Assistant Directors 25
3. Adult Extension Directors 24
4. Permanent Rule Making Mailing List 47
5. Special Committee Members (see attached) 6

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TITLE	FIRST NAME	LAST NAME	TECHNICAL COLLEGE	ADDRESS	CITY, STATE, ZIP	PHONE
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MR.	JOHN	GEDKER	AUSTIN TECHNICAL COLLEGE	1900 EIGHTH AVE NW	AUSTIN, MN 55912	(507) 433-0600
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MR.	DAVID	SCHROEDER	DAKOTA COUNTY TECH. COLLEGE	1300 E 145TH ST	ROSEMOUNT, MN 55068	(612) 423-8301
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MR.	JOHN	VOTCA	MANKATO TECHNICAL COLLEGE	1920 LEE BLVD	MANKATO, MN 56001	(507) 625-3441
MR.	DEAN	BERNTSEN	MINNEAPOLIS TECH. COLLEGE	1415 HENNEPIN AVE	MINNEAPOLIS, MN 55403	(612) 370-9400
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MS.	MARGE	KIRCHHOFF	INT. PRES.-SOUTHEASTERN T.C.	1926 SECOND ST SE	ROCHESTER, MN 55904	(507) 285-8631
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May 1, 1990
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4/27/90
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rules in rulemaking process

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Bob Madson

Clint Bucher

Florence Stater

Steve Frantz

Judy McGilvrey

Georgia Pomroy

LeAnn VanDorsten

Cindy Sklenar

CERTIFICATE OF THE STATE OF MINNESOTA
STATE BOARD OF TECHNICAL COLLEGES

AUTHORIZING RESOLUTION FOR ADOPTION OF A RULE WITHOUT A PUBLIC HEARING

I, F. B. Daniel, do hereby certify that I am a member and the President of the State Board of Technical Colleges, a Board duly authorized under the laws of the State of Minnesota, and that the following is a true, complete, and correct copy of a resolution adopted at a meeting of the State Board of Technical Colleges, duly and properly called and held on the 10 th day of September, 1990, that a quorum was present, and that a majority of those present voted for the resolution which has not been rescinded or modified.

"RESOLVED, that the rules relating to Postsecondary Licensure Criteria, for 3700.1050 Technical College Counselor; 3700.0400 to 3700.0435 Health Occupations licenses for Chiropractic Assistant, EKG/Cardiac Technician, Physical Therapist Assistant, Practical Nursing, Public Safety Communication (911), Radiologic Technology, Athletic Training Technician; 3700.0770 Surface Finishing and Plating Technician; 3700.0765 Electronics Technology are approved and adopted and Minnesota Rules parts 3515.6600 are repealed pursuant to authority vested in the State Board of Technical Colleges by Minnesota Statutes 136C.04, Subdivision 9. Helen Henrie, Deputy Chancellor of the State Board of Technical Colleges, is authorized to sign the Findings of Fact, conclusions and order adopting the rule and further is authorized to modify the rule if necessary to obtain the approval of the rule by the Attorney General and to perform the necessary acts to provide that the rule shall have the force and effect of law."

IN WITNESS WHEREOF, I have hereunto subscribed my name this 10th day of September, 1990.

F. B. Daniel

Officer of the Board

Lenore Quick

Attest by one other Board member

9925MIS2

STATE OF MINNESOTA
STATE BOARD OF TECHNICAL COLLEGES

In the Matter of the Proposed Adoption of the Rule of the State of Minnesota Governing Postsecondary Vocational Teaching Licensure, 3700.1050 Technical College Counselor; 3700.0400 to 3700.0435 Health Occupations Licenses (Chiropractic Assistant, EKG/Cardiac Technician, Physical Therapist Assistant, Practical Nursing, Public Safety Communication (911), Radiologic Technology, Athletic Training Technician); 3700.0770 Surface Finishing and Plating Technician; 3700.0765 Electronics Technology; Repeal of 3515.6600.

FINDINGS OF FACT, CONCLUSIONS, AND ORDER ADOPTING RULE WITHOUT PUBLIC HEARING

(1) Notice of the State Board of Technical Colleges intent to adopt the above-entitled rules was published in the *State Register* on July 16, 1990 and July 23, 1990, and was sent by United States mail to all persons on the list maintained by the agency pursuant to Minnesota Statutes, sections 14.14, subdivision 1a and 14.22 on July 11, 1990, and July 18, 1990. (2) The statement of need and reasonableness was prepared before the notice of intent to adopt a rule without a public hearing was mailed to all persons on the rulemaking mailing list and published in the *State Register*, and was available to the public.

(4) All persons were given the opportunity to submit comment on the rule for 30 days after notice of the proposed rulemaking. (5) No requests for a public hearing on the rule were received by the agency. (7) One comment and no submissions on the rule were received by the agency.

(7) No requests for notice of submission to the Attorney General were received by the agency.

The following nonsubstantial changes were made to correct typographical errors and for clarity and consistency:

(6) 3700.0420 Practical Nursing

Subpart 1. May Teach

Item G. ~~Pediatric~~ maternal/child health care; (representing restructured course title indicating child care begins at the prenatal stage)

Subpart 3. Educational and Occupational Experience Requirements

The applicant must have current Minnesota nursing registration and the experience as described in Item A, B, or C ~~, or D~~. (typographical error)

3700.0435 Athletic Training Technician

Subpart 3. Educational and Occupational Experience Requirements

Athletic trainer certification obtained from the Athletic Trainers Association (N.A.T.A.). (clarifies specific association referenced)

3700.1050 Technical College Counselor (Changes here represent consistency of expression for all Items A to G.)

Subpart 1. Activities requiring a license. A person referred to as a counselor in a technical college must be licensed under this part ~~and must~~ when responsible for the following activities:

A. ~~apply career development theories to~~ assist students and prospective students in making appropriate career devisions by applying career development theories;

D. ~~apply personal development and counseling theories in assisting~~ assist students and prospective students with resolving issues relating to interpersonal relationships, personal barriers, and social situations that may interfere with their academic and career objectives by applying personal development and counseling theories;

Based on the comments and evidence in the record before the agency, I find the following: The above-captioned rule is needed and reasonable. (8)

NOW, THEREFORE, IT IS ORDERED that the rules identified as 3700.1050 Technical College Counselor; 3700.0400 to 3700.0435 Health Occupations Licenses (Chiropractic Assistant, EKG/Cardiac Technician, Physical Therapist Assistant, Practical Nursing, Public Safety Communication (911), Radiologic Technology, Athletic Training Technician; 3700.0770 Surface Finishing and Plating Technician; 3700.0765 Electronics Technology are adopted and 3515.6600 is repealed this 11th day of September, 1990, pursuant to authority (9) vested in the State Board of Technical Colleges by Minnesota Statutes, Section 136C.04, Subdivision 9.

Helen Henrie 9/11/90

Helen Henrie Date
Deputy Chancellor
State Board of Technical Colleges

9930MIS

JUL 31 1990

FIC

FARIBAULT TECHNICAL COLLEGE

1225 S.W. Third St. • Faribault, MN 55021 • 507-334-3965

July 26, 1990

Georgia Pomroy, License Revision Specialist
Minnesota Technical College System
100 Capitol Square Bldg.
550 Cedar Street
St. Paul, MN 55101

Dear Georgia:

*This letter is to make comment in opposition to the language in the proposed rules for the Technical College Counselor licensure requirements. Line 17, Item C, currently states "select, administer, and interpret psychometric assessment instruments including achievement, ability, aptitude, values, interest, and personality". I wish to include language preceding this statement that would read "**supervise the process of selection, administration, and interpretation of** . . ., select, administer, and interpret psychometric assessment instruments including achievement, ability, aptitude, values, interest, and personality". It does not seem appropriate to me that only a master's degree licensed counselor be capable of administering a test. The word achievement test may include all classroom tests. Therefore, it is my opinion that this section needs further development.*

Sincerely yours,

DONALD T. OLSON
Vice President of Operations

DTO/cf

Xc: Steve Frantz

Telephone response
August 2, 1990 KP

GP's copy

July 24, 1990

The Legislative Commission to Review
Administrative Rules
Maryanne Hruby, Director
55 State Office Building
St. Paul, MN 55155

REQUEST FOR STATEMENTS OF NEED AND REASONABLENESS

I am responding to your letter of July 18, 1990, for a copy of the Statement of Need and Reasonableness for rules published in the *State Register* on July 16, 1990, Volume 15, Number 3.

For your convenience, please note this document also includes the Statement of Need and Reasonableness for Technical College Counselor published in the *State Register* on July 23, 1990, Volume 15, Number 4.

If you have any questions, please contact our office at 296-0680.

GEORGIA POMROY - LICENSE REVISION SPECIALIST
(612) 296-0680

GP/lrv
HRUBY

Enclosures

LCRAR

JUL 20 1990

Legislative Commission to
Review Administrative Rules

Senator Gene Waldorf
Chair

Representative Peter Rodosovich
Vice-Chair

Maryanne V. Hruby
Director

July 18, 1990

Georgia Pomroy, Licenses Revision Specialist
Minnesota Technical College System
100 Capitol Square Building
St. Paul, Minnesota 55101

Dear Ms. Pomroy:

You recently published a set of proposed rules relating to college instructional licensure and electronics technology instructor license. The LCRAR maintains a file of all Statements of Need and Reasonableness (SONARs). With your assistance, we can keep this file current. We ask you to forward, at your earliest convenience, a copy of the SONAR for these recently published rules to:

The Legislative Commission to Review Administrative Rules
Maryanne Hruby, Director
55 State Office Building
St. Paul, Minnesota 55155

If you have any questions please contact me.

Thank you.

Sincerely,

Michele Swanson
Commission Secretary

NEED AND REASONABLENESS

MINNESOTA STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

Statement of Need and Reasonableness
for licensure of Postsecondary
Vocational Technical Personnel.

Revision of existing licensure and rule development for instructor licenses in new venture programs for technical college staff.

Health Occupations 3700.0400 to 3700.0435
Surface Finishing and Plating Technician 3700.0770
Electronics Technology 3700.0765
Technical College Counselor 3700.1050

The statutory authority for the State Board of Vocational Technical Education to promulgate these rules is contained in Minnesota Statutes section 136C.04, subd. 9 which states:

Licensure. The State Board may adopt rules, according to the provisions of Chapter 14, for licensure of teaching, support, and supervisory personnel in postsecondary and adult vocational education. When necessary for continuous programs approved by the board and when the board determines that appropriate temporary standards do not exist, the State Board may adopt appropriate temporary standards without regard to chapter 14 and may issue temporary licenses to teaching and support personnel. A temporary license is valid up to one year and is not renewable, but a person holding a temporary license may, upon its expiration, be issued a license in accordance with standards adopted under chapter 14. The State Board may establish a processing fee for the issuance, renewal, or extension of a license."

BACKGROUND INFORMATION

The proposed permanent rules follow the format established by previous revised licenses.

The formal rule revision process involves a general advisory committee. Representatives include private trade schools, Board of Teaching, State Board of Vocational Technical Education staff,

teacher educators, union representatives, and licensed postsecondary staff in administration, supervision, instruction, and support service and special needs.

In addition, each individual rule has its own subcommittee consisting of State Board of Vocational Technical Education staff, technical college administrators, and licensed instructors and representatives from business and industry. Other individuals may be involved dependent upon the rule being promulgated as in the case of health areas, professional credentialling representation. Each rule is also reviewed by a licensure committee representing the State Board of Vocational Technical Education prior to the Board's resolution to adopt the rule.

The State Board of Vocational Technical Education is revising postsecondary and extension vocational education licenses for instructors and support staff. The licensure rules need clarification for the benefit of existing parties. The majority of the issues identified are related to interpretation of the terms: relevant education, relevant occupational experience, and vague or nonexistent course requirements. In addition, the technical college system is currently undergoing a major restructuring of programs and developmental services. Existing licensure results in an artificial barrier which prevents an instructor with expertise in a specific area from teaching that content in any program other than the one for which the individual is licensed. Thus an instructor holding an accounting license could only teach accounting within that program, preventing the technical college from using that knowledge to teach the credit course, Principles of Accounting. Revision is also an attempt to remove that artificial barrier.

GENERAL INFORMATION

The proposed permanent rules follow the precedent set by the revised agricultural instructor requirements adopted September 12, 1987, the revised business and office rules adopted February 6, 1988, technical occupational licenses adopted March 10, 1990, marketing occupational licenses adopted June 30, 1990, administrative licenses adopted on November 26, 1988, and financial aid license adopted May 25, 1990. There are four major changes within the previous revisions and reflected within these revisions.

1. Crossover areas. The crossover areas compliment the technical college system program restructuring. This effort converts programs to courses and then courses to credits. Thus, the license allows the holder to teach a particular program and specified courses in any program throughout the institute. The courses listed as crossovers are reasonable since they are a result of the expertise acquired via the occupational and/or educational experiences specifically required of the license holder. This is needed to remove an artificial barrier which, in the past, allowed the individual to teach only within a program. This makes it possible to implement the restructured programs with appropriately credentialed staff, allowing an instructor to teach specific courses anywhere within a college.

2. Occupational experience requirements. The occupational experience requirement identifies the job titles which will be accepted to meet licensure requirements. This specificity is needed to provide both the applicants and the hiring authority with information which will be used in making application for the license. The occupational experience requirements are reasonable because they are conceptually and functionally represented in the education programs and in the occupations for which the programs prepare individuals. There is also an increase in the total number of occupational hours from current rule of 6000 hours to revised rule of 8000 hours. This is reasonable since credit is given for educational experiences which relate directly to the occupation in question. In addition, credit will be given for teaching experience as it relates directly to the occupation being taught. Since these substitutions allow for a total of 4000 hours of occupational experience, the increase to 8000 hours is reasonable. In addition, the increase to 8000 hours represents only a total of one year. Since the crossover areas require more specificity required to teach individual courses throughout the institute, a greater depth and breadth of knowledge is required which is represented in the additional year of experience or education.

3. Recent occupational experience. There is an increase in recent occupational experience form "500 to 1000 hours in the last five years" to "2000 hours in the last five years". This increase is necessary so that individuals teaching programs and courses are knowledgeable about technical, economic and industrial changes as they relate to their specific occupational field. It is reasonable since it allows a five year time frame in which to acquire one year or 2000 hours of occupational experience. It would be possible therefore, to obtain the total 2000 hours by working only four summers.

4. Substitution for occupational experience. This subpart is necessary as a means of allowing teachers to expand into new, modified or restructured programs which reflect both new content area and existing content. The utilization of teaching experience in specified programs assure that only teaching experience which is conceptually related to the new, modified, or restructured program is allowed as a substitute for recent occupational experience. This recognizes specific knowledge not in current programs as applicable to new programs which contain a major portion of the same or similar content. 500 hours of recent occupational experience is still retained for the new licensure area to assure up-to-date industrial exposure to the occupation. This amount is reasonable because it can be obtained over five years and is only 12 1/2 weeks.

3700.0700 LICENSES IN THE HEALTH OCCUPATIONAL AREA

As the restructuring effort on a program is completed, the licensure revision for that specific area is started. The first licenses for revision in health occupations is the license used to teach the practical nursing program. This licenses is used as an appropriate credential for a number of extension offerings as

well. Since this license has a broad application and is widely used, this is the first permanent license chosen for revision. The Intent to Solicit Outside Opinion was published in the State Register on June 5, 1989. A resolution to authorize rule development was passed by the State Board of Vocational Technical Education on June 13, 1989. Several committee meetings, a general advisory committee meeting, and consultation with the Revisor of Statutes and the Attorney General's office resulted in the proposed rule. The State Board of Vocational Technical Education staff then made the final rule recommendations.

Subpart 1. Listed Here. This subpart informs the applicant of the requirements which must be met for an instructor seeking licensure under rules 3700.0400. It also refers to 3700.0100 which are the general licensure requirements for all instructors in the Technical Institute System.

Subpart 2. Recent Occupational Experience. Indicates to the applicant the total number of occupational recency hours required within the five years preceding the application for licensure.

Subpart 3. Does Not Apply. Repeals existing 3515 chart for the specified 3700.0466 rule and specific 3515 rules which conflict with the 3700.0466 rule.

3700.0466 Specific Licensure requirements. Specifies for the applicant specific authorization and requirements for each individual license which will come under this classification.

Subpart 1. May Teach. Lists programs and courses which license holder may teach.

Subpart 2. Other Requirements. Refers to the other requirements an applicant must meet for licensure as referred to above.

Subpart 3. Occupational and Educational Experience Requirement. Specifies education required and number of hours and specific occupational areas acceptable for instructor licensure in the specific occupational program.

Subpart 4. Substitution for Recent Occupational Experience. Identifies relevant current teaching experience which can substitute for a portion of the recency requirement of 3700.0400, subpart 2.

3700.04__ Conversion to Existing Licenses. Informs interested parties of rule numbers and converted licensure categories.

The 3700.0400 rules will be implemented using current processes and there will be no fiscal impact.

HEALTH OCCUPATIONAL AREA LICENSES

3700.0405 (3709.0230) Chiropractic Assistant
3700.0410 (3709.0240) EKG/Cardiac Technician
3700.0415 (3709.0250) Physical Therapist Assistant
3700.0425 (3709.0260) Public Safety Communication (911)
3700.0435 (3709.0270) Radiologic Technology

The preceding rule changes are minor modifications and are necessary to maintain language consistency with current revised licenses. Rule numbers are changed from temporary rule numbers of 3709 to permanent rule numbers 3700. There are no changes in the substance of the rules. The changes are editorial only and therefore reasonable.

3700.0466 PRACTICAL NURSING

Subpart 1. May teach. An instructor with a practical nursing teaching license may teach in the practical nursing programs within the technical institute system. In addition, this license allows the instructor to teach in a number of nursing related part-time or extension offerings. Our rules require an instructor teaching over 500 hours within our system to hold a full-time license despite the limited length of a program. An example would be the 75 hour nursing assistant program which might be taught by the same instructor for approximately 1000 or more hours per school year. Each of the extension areas listed have their knowledge base within the scope of practice of a registered nurse. They are, in fact, considered a delegated portion of nursing practice. The content is found within the nursing program. It is reasonable to assume then that the criteria as listed in subpart 3 for a nursing instructor would also be relevant to the listed areas. The crossover courses are courses within the nursing program and form the foundation of nursing. An applicant meeting the educational requirement for licensure in this field would have had all the courses or content listed in depth as part of his/her educational experience and it is therefore reasonable to include these courses as crossover areas.

Subpart 2. Other requirements. This refers to the general requirements as specified in 3709.0100. There are no changes in this subpart.

Subpart 3. Occupational and educational experience requirement. Educational and occupational experience is required of this applicant. The requirement for registration is a requirement which must be met as mandated by the Board of Nursing in order to practice and to teach within the field. It is therefore reasonable and necessary for an instructor in this area to be registered. In addition, the applicant must have occupational experience consistent with the content in the program. Familiarity with equipment and procedures currently used within specified institutions where program graduates may find employment enables an instructor in conjunction with the educational experience requirement to develop the skills and

attitudes required to teach within these programs. The areas as listed assure the exposure to the content as expressed above and is therefore reasonable. The ratio of occupational experience is directly related to the amount of education an applicant has. This ratio is the same as in preceding revised licenses and there is no change in this ratio.

Subpart 4. Occupational recency substitution. The teaching experience allowed is only in core content and within actual nursing programs. It is therefore a reasonable substitution. It is assumed the instructor would have contact with industry and the advisory committees which allows the opportunity for currency in the fields. In addition, the individual would still need to have the remaining 500 hours of recency. The ratio of two hours of teaching to substitute for one hour of occupational experience is the same as for previously revised licenses and there is no change in this ratio.

3700.0435 ATHLETIC TRAINER TECHNICIAN

Athletic trainer technician is a new venture program for which no appropriate program license currently exists.

Subpart 1. May teach. The applicant acquiring this license has the course content appropriate for teaching both the program and courses as listed. The rationale for this crossover is relevant to the requirements for the license as listed in subpart 3.

Subp. 2. Other requirements. Refers to requirements currently in rule regarding recency and relicensure. There are no changes in this subpart.

Subpart 3. Educational and occupational experience requirements. The requirements are in three parts. Education, certification and occupational. The degrees as listed were chosen for their content in sports technology. The content which is utilized within these degrees and taught in the athletic trainer technician program is related to prevention of athletic injuries, reconditioning evaluation and emergency treatment of athletic injuries. Included within these programs is exercise physiology, principles of physical fitness, body mechanics, sports psychology, legalities of sports and many sports training techniques. Since this makes up the core of the sports trainer technician program it is necessary for the instructor to have the cognitive knowledge to insure proper instruction in these areas. It is reasonable since these degrees are readily available within the State of Minnesota.

Certification in the Athletic Trainer's Association is a necessary portion of the required criteria to assure the instructor will have the broad base of knowledge which is common to athletics. This knowledge base required for certification will assure the hiring authority the candidate has the breadth and depth of knowledge and skills required of an individual within sports medicine. The content required to pass this certification is found within the degrees as stipulated in

subpart 3. The certification exam is given throughout the United States approximately 40 to 50 times per year. In addition it is given at least annually in the State of Minnesota. It is also given annually in the neighboring State of Wisconsin. The certification assures the hiring authority that the candidate also meets renewal requirements every 3 years enabling that individual to stay up to date on recent technology available in athletic training. This certification tells other disciplines within the health community the level of education and expertise the candidate holds and thus assuring them the candidate is within the individual scope of practice.

The occupational experience is within the field in which the graduate will be employed. It is therefore reasonable to require the applicant to have experience the occupational area for which the student is being prepared. Athletic trainer experience is an occupational area readily available in the State of Minnesota in a variety of settings.

Subp. 4. Occupational recency substitution. This subpart follows the precedent set by other revised licenses. The teaching substitution allowed is only in the areas relevant to the occupation taught. It is reasonable to assume the applicant has up to date information due to contact with the advisory committee and occupational site visits. In addition the substitution requires two hours of teaching to acquire one hour of occupational experience. It still requires the applicant to fulfill the 500 hours of occupational recency regardless of the total teaching experience.

3700.0770 SURFACE FINISHING AND PLATING TECHNICIAN

Subpart 1. May Teach. The crossover areas here are limited to surface finishing and plating technician areas. As a result of the required education and experience it is reasonable to assume the applicant has sufficient knowledge to teach in the program and the core content in the technical college system.

Subpart 2. Requirements elsewhere. Refers to requirements to be satisfied which are currently in rule. There are no changes in this subpart.

Subpart 3. Occupational and educational experience requirement. The occupational experience as described is reasonable since that experience is expressed as content within the surface finishing and plating program. The experiences were written to assure the applicant has had experience with metal finishing equipment including barrel, rack, auto, and semiautomatic equipment. In addition, it is necessary to have worked with waste treatment practices and recycle and recovery techniques. Since a wide variety of finishing processes are taught within this program the depth and breadth of experience is reasonable and necessary. It can be anticipated that graduates will be required to use a variety of surface finishing and plating procedures. This includes preparation of metal or other surfaces, various plating techniques, quality control, and analysis of plating baths and wastewater. It is reasonable therefore to require this breadth

of experience for the instructor license.

The educational experience was selected for content in chemistry and related subjects. It was reasonable to require a minimum of one year of education with emphasis on chemistry to assure the applicant would if required have the chemistry and therefore the mathematics background to teach the chemistry, algebra, and trigonometry within this program.

Certification by the American Electroplating and Surface Finishing Society is required to assure a base knowledge and breadth of education to teach this program. This 40 hours of intensive training includes Introduction to Chemistry, Mathematics, processes of electroplating and electro-chemistry. This is a reasonable requirement since it is offered six times a year and is available through correspondence.

Subpart 4. Occupational recency substitution. This subpart is in keeping with present revised licenses which allows teaching content specific to the program to substitute for 1500 hours of the required 2000 hours of occupational experience. The teaching experience is in surface finishing and plating only. It is reasonable to assume contact with industry and advisory committees which would allow the instructor up to date knowledge about the industry. In addition, it takes 2 hours of teaching experience to substitute for one hour of occupational experience. The applicant must still obtain a minimum of 500 hours of occupational experience.

3700.0765 ELECTRONICS TECHNOLOGY.

Subpart 1. May teach. An instructor may teach in the electronic program, specific trade and industrial and technical courses and finally content system wide. The program and content areas in trade and industrial, and technical were selected as appropriate given the experiences as described in subpart 3. The electronic core and electronic specific content is a reasonable system wide substitution since the applicant must verify 2 years of postsecondary education and 6000 hours occupational experience both in electronics.

Subp. 2. Other requirements. Refers to the other requirements an applicant must be which are in current rule. There are no changes in these requirements.

Subp. 3. Educational and occupational experience requirement. It is reasonable to require a minimum of two years of postsecondary education in electronics. The theory required to teach the algebra and trigonometry which are part of this program must be obtained within a classroom setting while application could be mastered within an occupational setting. Electronics technology requires a theoretical mathematical base obtained in a classroom setting. The occupational experience is quite specific to electronics since this is the base of all the electronic programs. In order to have the breadth of knowledge to teach within the electronics programs it is necessary to include installation, maintenance, troubleshooting and repair of

electronic circuitry to assure a candidate experience reflects the scope and sequence the student will be exposed to in the program content. Therefore is is a reasonable requirement. Since electronics application may occur in a variety of fields computer systems, industrial electronics, manufacturing electronics, electronic communications, and bio-medical electronics are all included as appropriate electronic experiences. This is a reasonable allowance since the base of electronic knowledge and experience have similar background although the applications may differ.

Subp. 4. Substitution for recent occupational experience. This subpart is explained previously in this statement. It is reasonable to require the teaching experience to be in electronics since that is the major focus of the programs. This applicant would be cognizant of current trends, information, and practices as a result of industrial visits, student placement and advisory committee consultation.

3700.1050 TECHNICAL COLLEGE COUNSELOR

Subpart 1. Activities requiring a license. The activities as listed are a clarification of the activities listed in current rule 3515.6600. It was necessary and reasonable to rewrite statements which contained more than one activity. They have been separated and clarified for the benefit of interested parties. There is no substantial difference in the revised rule.

Subpart 2. Other requirements. Refers to existing requirements. There is no change in this subpart.

Subpart 3. Educational and occupational experience requirements.

Item A. Requires a master's degree in counseling. There is no change from current rule.

Item B. and C. Due to the fact that counseling degrees may vary, required content was specified. The majority of degrees in counseling already contain this content; however, should a specific counseling degree lack the subject matter stated, the applicant is apprised of the need to acquire the content.

Occupational experience has been deleted from the revised rule. Since the occupational experience could be very dated and perhaps not relevant to current trends, it is eliminated. It is replaced by a practicum/internship which is supervised and evaluated, and coursework in career development and occupational information. This is necessary to be sure the applicant has proven counseling skills as well as employment information. The coursework allows for a greater breadth of occupational knowledge and is therefore reasonable for the variety of occupational training in the technical colleges.

LCRAR

JUL 2 6 1990

Legislative Commission to

Review Administrative Rules

Senator Gene Waldorf
Chair

Representative Peter Rodosovich
Vice-Chair

Maryanne V. Hruby
Director

July 24, 1990

Georgia Pomroy, Licenses Revision Specialist
Minnesota Technical College System
100 Capitol Square Building
St. Paul, Minnesota 55101

Dear Ms. Pomroy:

You recently published a set of proposed rules relating to college counselor license. The LCRAR maintains a file of all Statements of Need and Reasonableness (SONARs). With your assistance, we can keep this file current. We ask you to forward, at your earliest convenience, a copy of the SONAR for these recently published rules to:

The Legislative Commission to Review Administrative Rules
Maryanne Hruby, Director
55 State Office Building
St. Paul, Minnesota 55155

If you have any questions please contact me.

Thank you.

Sincerely,

Michele Swanson
Commission Secretary

In the Matter of the Adoption of the Rule of the State Board of Technical Colleges Governing Postsecondary Vocational Licensure, 3700.1050 Technical College Counselor; 3700.0400 to 3700.0435 Health Occupations Licenses (Chiropractic Assistant, EKG/Cardiac Technician, Physical Therapist Assistant, Practical Nursing, Public Safety Communication (911), Radiologic Technology, Athletic Training Technician); 3700.0770 Surface Finishing and Plating Technician; 3700.0765 Electronics Technology; Repeal of 3515.6600.

DECLARATION OF COUNSEL

I Charles T. Mottl, Assistant Attorney General, do hereby declare that I have examined the above captioned rule, and the supporting rulemaking record, and that, based on my examination, the Administrative Procedure Act and Minnesota Rules, chapter 2010 have been followed. Any exceptions are listed below. For Attorney General billing purposes, the four-digit docket client code is 0831.

Charles T. Mottl

Assistant Attorney General

Dated: 9/26/90

9935HEC

Office of the Revisor of Statutes

Administrative Rules

Paul M. Marinac
Assistant Deputy Revisor
296-0948

700 State Office Building
100 Constitution Avenue
St. Paul, MN 55155-1297

June 28, 1990

Ms. Georgia Pomroy
State Board of Vocational
Technical Education
First Floor
Capitol Square Building
St. Paul, MN 55101

RE: File No. 1709

Dear Ms. Pomroy:

I am enclosing six copies of your rules, approved as to form. Please submit two copies to the State Register for publication.

If you have any questions, please call me.

Very truly yours,

Paul M. Marinac

State Board of Vocational Technical Education

Proposed Permanent Rules Relating to Technical College Counselor License

Rules as Proposed (all new material)

3700.1050 TECHNICAL COLLEGE COUNSELOR.

Subpart 1. **Activities requiring a license.** A person referred to as a counselor in a technical college must be licensed under this part and must:

A. apply career development theories to assist students and prospective students in making appropriate career decisions;

B. assist students and prospective students in obtaining information and resources necessary for attaining academic, career, and personal goals;

C. select, administer, and interpret psychometric assessment instruments including achievement, ability, aptitude, values, interest, and personality;

D. apply personal development and counseling theories in assisting students and prospective students with resolving issues relating to interpersonal relationships, personal barriers, and social situations that may interfere with their academic and career objectives;

E. serve as a student advocate through consulting with technical college staff, staff of other educational institutions, and community agencies to make the environment as beneficial to the educational, emotional, and physical development of students as possible;

F. plan, facilitate, and implement training workshops and support groups to assist individuals in their career and personal development; and

G. supervise and administer the activities necessary to meet the specialized transitional needs of students during the admissions, retention, and placement process.

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Subp. 2. **Other requirements.** The applicant must meet the requirements in part 3700.0100, except that the applicant need not comply with part 3515.1400, items A to D.

Subp. 3. **Educational and occupational experience.** The applicant must have the experiences as described in items A to D:

A. master's or higher degree with a major in counseling;

B. degree must include or have added college credits in all of the following content:

(1) supervised practicum/internship in counseling;

(2) group counseling; and

(3) career development theory and occupational information; and

C. college credits with content in two of the following:

(1) cultural diversity;

(2) adult development;

(3) ethics;

(4) family systems theory; or

(5) chemical dependency.

REPEALER. Minnesota Rules, part 3515.6600, is repealed.

Approved
by Revisor _____

Office of the Revisor of Statutes

Administrative Rules

TITLE: Proposed Permanent Rules Relating to Technical College Counselor License

AGENCY: State Board of Vocational Technical Education

MINNESOTA RULES: Chapter 3700

The attached rules are approved for publication in the State Register

Paul M. Marinac
Assistant Deputy Revisor

Office of the Revisor of Statutes
Administrative Rules

Craig E. Lindeke
Senior Assistant Revisor
296-0946

700 State Office Building
100 Constitution Avenue
St. Paul, MN 55155-1297

June 25, 1990

Ms. Georgia Pomroy
State Board of Vocational
Technical Education
First Floor, Capitol Square Bldg.
St. Paul, MN 55101

RE: File No. 1690

Dear Ms. Georgia Pomroy:

I am enclosing six copies of your rules, approved as to form.
Please submit two copies to the State Register for publication.

If you have any questions, please call me.

Very truly yours,

Craig E. Lindeke

Board of Vocational Technical Education

Proposed Permanent Rules Relating to Technical College Instructional Licensure

Rules as Proposed

3700.0400 LICENSES IN THE HEALTH OCCUPATIONAL AREA.

Subpart 1. **Listed here.** An applicant for a license to teach postsecondary vocational courses and programs in the health occupational area must meet the requirements in this part. These requirements are in addition to the requirements in part 3700.0100 and for a particular license (listed under the part that covers that particular license).

Subp. 2. **Recent occupational experience.** An applicant for a license to teach in the health occupational area must have 2,000 hours of occupational experience within the five years just before applying for licensure.

Subp. 3. **Substitution.** The total number of hours substituted for occupational experience must not exceed 4,000.

Subp. 4. **Does not apply.** Parts 3515.9920 to 3515.9930 do not apply to parts 3700.0400 and 3700.0466.

~~3709.0230~~ 3700.0405 CHIROPRACTIC ASSISTANT.

Subpart 1. **May teach.** A teacher who has a chiropractic assistant instructor license may teach in the chiropractic assistant program.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Educational and occupational experience requirement.** The applicant must have the educational and occupational experience described in item A, B, or C. The education must be from an accredited postsecondary institution.

A. Licensed chiropractor and 4,000 hours of ~~verified~~ occupational experience in a chiropractic office or chiropractic

Approved by Revisor Craig E. Friedel

hospital. This experience must include office procedures, insurance coverage, physical agents application, X-ray, and examinations.

B. Diploma or 90 or more quarter credits from a two-year chiropractic technician or chiropractic assistant program and 6,000 hours of ~~verified~~ occupational experience as a technician or assistant in a chiropractic office or chiropractic hospital. The experience must include office procedures, insurance coverage, physical agents application, and assisting the chiropractor with X-ray and examinations.

C. Diploma or 45 or more quarter credits from a one-year chiropractic technician or chiropractic assistant program or an American Chiropractic Registered Radiologist technician ~~program~~ and 7,000 hours of ~~verified~~ occupational experience as a technician or assistant in a chiropractic office or chiropractic hospital. The experience must include office procedures, insurance coverage, physical agents application, and assisting the chiropractor with X-ray and examinations.

Subp. 4. ~~Occupational recency~~ **Substitution for recent occupational experience.** The applicant may substitute teaching experience at an accredited postsecondary institution, or at an industrial or military setting ~~may be substituted~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400, subpart 2, if the teaching is done during the five-year period. The teaching must be in primary program content in chiropractic assisting, chiropractic technician, or chiropractic practice. Two hours of teaching equal one hour of occupational experience.

~~3709.0240~~ 3700.0410 EKG/CARDIAC TECHNICIAN.

Subpart 1. **May teach.** A teacher who has an EKG/cardiac technician license may teach in the EKG/cardiac technician program and may also teach cardiopulmonary resuscitation.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements for a teacher in the health occupational area under part

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3700.0400.

Subp. 3. **Occupational experience requirement.** The applicant must have current cardiopulmonary resuscitation instructor certification and 8,000 hours of ~~verified~~ occupational experience in one of the following:

A. registered nurse in critical care using 12 lead cardiograms, exercise stress testing of clients, care of clients with pacemakers, and interpreting basic and advanced cardiac rhythms; or

B. supervisory EKG/cardiac technician.

Subp. 4. **Substitution for occupational experience.** An applicant may substitute the education described under item A, B, C, or D for up to 4,000 hours of occupational experience required in subpart 3. The education must be from an accredited postsecondary institution.

A. A bachelor's or higher degree with a major in medicine, nursing, or cardiac technology may be substituted for 4,000 hours.

B. An associate degree in nursing, perfusionist, echo cardiac sonographer, EKG/cardiac technician, cardiac technology, biomedical equipment, cardiopulmonary, medical laboratory, medical technology, medical imaging, or radiography, or a bachelor's degree in biomedical science or medical technology may be substituted for 2,000 hours.

C. A diploma in nursing, perfusionist, EKG/cardiac technology, or cardiac technician may be substituted. A one-year program or a program of 45 or more quarter credits equals 1,050 hours. A two- or three-year program or a program of 90 or more quarter credits equals 2,100 hours.

D. The completion of courses for credit or clock hours for credit in cardiac care, cardiac conditions, or cardiac equipment use and maintenance may be substituted. One hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

Subp. 5. ~~Occupational recency~~ **Substitution** for recent

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occupational experience. The applicant may substitute teaching experience at an accredited postsecondary institution, or at an industrial or military setting, or public safety agency ~~may be substituted~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400, subpart 2, if the teaching is done during the five-year period. The teaching must be in cardiac technology. Two hours of teaching equal one hour of occupational experience.

~~3709.0250~~ 3700.0415 PHYSICAL THERAPIST ASSISTANT.

Subpart 1. **May teach.** A teacher who has a physical therapist assistant instructor license may teach in the physical therapist assistant program and may also teach courses in anatomy and physiology, medical terminology, exercise physiology, kinesiology, neuroanatomy and neurophysiology, and physical disability/rehabilitation.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Occupational and educational experience requirement.** The applicant must have the following experiences:

A. a bachelor's or higher degree with a major in physical therapy from an American Physical Therapy Association accredited institution;

B. physical therapist registration in the state of Minnesota; and

C. 4,000 hours of ~~verified~~ occupational experience as a registered physical therapist in at least two of the following: acute care setting, outpatient physical therapy, long-term care, or rehabilitation setting.

Subp. 4. ~~Occupational recency~~ **Substitution for recent occupational experience.** The applicant may substitute teaching experience at an American Physical Therapy Association accredited institution ~~may be substituted~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400,

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subpart 2, if the teaching is done during the five-year period. The teaching must be in primary program content in physical therapy or physical therapy assistant. Two hours of teaching equal one hour of occupational experience.

3700.0420 PRACTICAL NURSING.

Subpart 1. **May teach.** A teacher who has a practical nursing instructor's license may teach the following: practical nursing, health unit coordinator, homemaker/home health aide, nursing assistant, passenger assistance, human services and medical assistant/nursing component, and may also teach the following courses:

A. integrated sciences/anatomy and physiology;

B. integrated sciences/medical terminology;

C. administration of medicines;

D. human behavior and communications in health care;

E. ethical/legal aspects of health care;

F. disease conditions;

G. pediatric health care; and

H. geriatric health care.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Educational and occupational experience requirements.** The applicant must have current Minnesota nursing registration and the experience as described in item A, B, C, or D. The education must be from an accredited postsecondary institution. The occupational experience may be as a registered nurse or licensed practical nurse.

A. A bachelor's or higher degree in nursing and 4,000 hours of occupational experience as a public health nurse, home health care nurse, or a nurse doing direct patient care in a hospital, skilled or intermediate nursing care facility, or in a hospice.

B. An associate degree in nursing and 6,000 hours of occupational experience as a public health nurse, home health

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nurse, or a nurse doing direct patient care in a hospital, skilled or intermediate nursing care facility, or in a hospice.

C. Diploma from a three-year nursing program and 4,000 hours of occupational experience as a public health nurse, home health nurse, or a nurse doing direct patient care in a hospital, skilled or intermediate nursing care facility, or in a hospice.

Subp. 4. **Substitution for recent occupational experience.** The applicant may substitute teaching experience in primary program content at an accredited postsecondary institution in nursing programs that prepare individuals for state licensure as a practical nurse or registered nurse for up to 1,500 of the 2,000 hours required in part 3700.0400. Two hours of teaching equal one hour of occupational experience.

~~3709.0260~~ 3700.0425 PUBLIC SAFETY COMMUNICATION (911).

Subpart 1. **May teach.** A teacher who has a public safety communication (911) license may teach in the public safety communication (911) program and may also teach emergency communications.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Occupational experience requirement.** The applicant must have 8,000 hours of ~~verified~~ occupational experience as an operator dispatcher or supervisor in a public safety communications center with a minimum of 6,000 of the 8,000 hours doing the job of an operator dispatcher. Operator dispatcher includes level III operator dispatcher or communication training operator (CTO). Supervisor includes lead dispatcher, head dispatcher, communications manager, assistant supervisor, or shift supervisor.

Subp. 4. **Substitution for occupational experience.** An applicant may substitute the education described under item A, B, C, or D for up to 4,000 hours of occupational experience

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required under subpart 3. The education must be from an accredited postsecondary institution.

A. A bachelor's or higher degree with a major in law enforcement, criminal justice, ~~or~~ corrections, emergency medical services, or fire protection may be substituted for 4,000 hours.

B. An associate degree in emergency medical service, fire protection, law enforcement ~~or~~, public safety communications, or a bachelor's degree or higher in public administration may be substituted for 2,000 hours.

C. A diploma in law enforcement ~~or~~, public safety, fire protection, or communication may be substituted. A one-year program or a program of 45 or more quarter credits equals 1,050 hours. A two- or three-year program equals 2,100 hours.

D. The completion of courses for credit or clock hours for credit in the use of public safety emergency telecommunications equipment may be substituted. One hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

Subp. 5. ~~**Occupational recency**~~ **Substitution for occupational recency.** The applicant may substitute teaching experience at an accredited postsecondary institution, or at an industrial or military setting, or public safety agency ~~**may be substituted**~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400, subpart 2, if the teaching is done during the five-year period. The teaching must be in public safety communication. Two hours of teaching equal one hour of occupational experience.

~~3709.0270~~ 3700.0430 RADIOLOGIC TECHNOLOGY.

Subpart 1. **May teach.** A teacher who has a radiologic technology license may teach in the radiologic technology program.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part ~~3709.0100~~ 3700.0100 and the requirements

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for a teacher in the health occupational area under part 3700.0400.

Subp. 3. **Occupational and educational experience requirement.** The applicant must:

A. have a two-year certificate, associate degree or above in radiologic technology;

B. be credentialed in radiography by the American Registry of Radiologic Technologists; and

C. have 6,000 hours of ~~verified~~ occupational experience as a certified radiographer in a medical setting.

Subp. 4. ~~Occupational recency~~ **Substitution for occupational recency.** The applicant may substitute teaching experience at a postsecondary institution in an accredited program of radiographic technology ~~may be substituted~~ for 1,500 of the 2,000 hours required in part ~~3709.0100, subpart 1, item A~~ 3700.0400, subpart 2, if the teaching is done during the five-year period. The teaching must be in radiologic technology. Two hours of teaching equal one hour of occupational experience.

Rules as Proposed (all new material)

3700.0435 ATHLETIC TRAINING TECHNICIAN LICENSE.

Subpart 1. **May teach.** A teacher who has an athletic training technician license may teach in the athletic training technician program and may also teach courses in:

A. biomechanics;

B. exercise physiology;

C. sports injuries recognition, care, and management;

D. strength conditioning;

E. sports equipment fit, care, and use;

F. sports training, testing, and conditioning;

G. legalities of sports; and

H. sports rehabilitation techniques.

Subp. 2. **Other requirements.** An applicant must meet the requirements listed in part 3700.0100 and the requirements for a

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teacher in the health occupational area under part 3700.0400.

Subp. 3. **Educational and occupational experience requirements.** An applicant must have the experiences as described in items A, B, and C. The education must come from an accredited postsecondary institution.

A. Bachelor's or higher degree with a science major in health, sports, or exercise.

B. Athletic trainer certification obtained from the Athletic Trainers Association.

C. 4,000 hours of occupational experience as an athletic trainer.

Subp. 4. **Substitution for recent occupational experience.** An applicant may substitute teaching experience at an accredited postsecondary institution in primary program content in athletic trainer, athletic medicine technology, or physical education for 1,500 of the 2,000 hours required under part 3700.0100, subpart 2. Two hours of teaching equal one hour of the occupational experience required in part 3700.0400, subpart 2.

3700.0770 SURFACE FINISHING AND PLATING TECHNICIAN LICENSE.

Subpart 1. **May teach.** A teacher who has a surface finishing and plating technician license may teach in the surface finishing and plating technician program and may also teach courses in surface finishing and plating anywhere in the technical college system.

Subp. 2. **Other requirements.** An applicant must meet the requirements listed in part 3700.0100 and the requirements for a teacher in the technical area under part 3700.0700.

Subp. 3. **Occupational and educational experience requirements.** An applicant must have the educational and occupational experience as described in item A, B, or C. The education must be from an accredited postsecondary institution.

A. Bachelor's or higher degree with a major in chemistry, chemical engineering, electrochemistry, material science, or metallurgy; occupational experience of 4,000 hours in surface finishing and electroplating, including bath make-up

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and maintenance including wet analysis, surface finishing and plating processes and equipment, physical testing for quality control of product and process, and waste management for plating; and certification by the American Electroplating and Surface Finishing Society.

B. Two years of postsecondary education with a degree, diploma, or certificate in surface finishing and electroplating including 15 quarter credits in chemistry; occupational experience of 6,000 hours in surface finishing and electroplating, including bath make-up and maintenance including wet analysis, surface finishing and plating processes and equipment, physical testing for qualify control of product and process, and waste management for plating; and certification by the American Electroplating and Surface Finishing Society.

C. One year of postsecondary education including 15 quarter credits of chemistry; occupational experience of 7,000 hours in surface finishing and electroplating, including bath make-up and maintenance including wet analysis, surface finishing and plating processes and equipment, physical testing for quality control of product and process, and waste management for plating; and certification by the American Electroplating and Surface Finishing Society.

Subp. 4. **Occupational recency substitution.** Teaching experience at an accredited postsecondary institution, industrial, or military setting may be substituted for 1,500 of the 2,000 hours required in part 3700.0700, subpart 2, if the teaching is in primary program content in surface finishing and electroplating technology. Two hours of teaching equal one hour of occupational experience.

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Office of the Revisor of Statutes

Administrative Rules

TITLE: Proposed Permanent Rules Relating to Technical College Instructional Licensure

AGENCY: Board of Vocational Technical Education

MINNESOTA RULES: Chapter 3700

The attached rules are approved for publication in the State Register

Craig E. Lindeke
Senior Assistant Revisor

Office of the Revisor of Statutes

Administrative Rules

JUN 4 1990

Craig E. Lindeke
Senior Assistant Revisor
296-0946



700 State Office Building
100 Constitution Avenue
St. Paul, MN 55155-1297

May 31, 1990

Ms. Georgia Pomroy
State Board of Vocational
Technical Education
First Floor
Capitol Square Building
St. Paul, MN 55101

RE: File No. 1689

Dear Ms. Pomroy:

I am enclosing six copies of your rules, approved as to form.
Please submit two copies to the State Register for publication.

If you have any questions, please call me.

Very truly yours,

Craig E. Lindeke

Board of Vocational Technical Education

Proposed Permanent Rules Relating to Electronics Technology Instructor License

Rules as Proposed (all new material)

3700.0765 ELECTRONICS TECHNOLOGY LICENSE.

Subpart 1. **May teach.** A teacher who has an electronics technology instructor license may teach in the electronics technology programs and may also teach:

A. electronics core; and

B. any course which is electronic theory or application.

Subp. 2. **Other requirements.** The applicant must meet the requirements in part 3700.0100 and the requirements for a teacher in the technical occupational area under part 3700.0700.

Subp. 3. **Educational and occupational experience requirement.** The applicant must have the educational and occupational experience described in items A and B:

A. a minimum of two years of education in electronics technology from an accredited postsecondary institution resulting in a diploma, certificate, or degree; and

B. 6,000 hours of occupational experience in installation, maintenance, troubleshooting, and repair of electronic circuitry in any of the following areas:

(1) computer systems;

(2) industrial electronics;

(3) manufacturing electronics;

(4) electronic communications;

(5) biomedical electronics; or

(6) consumer electronics.

Subp. 4. **Substitution for recent occupational experience.** Teaching experience at an accredited postsecondary institution, industrial, business, or military setting in primary program content in electronics technology may be substituted for 1,500

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of the 2,000 hours required under part 3700.0700, subpart 2. Two hours of teaching equal one hour of occupational experience for purposes of part 3700.0700, subpart 2.

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by Revisor _____

Office of the Revisor of Statutes

Administrative Rules

TITLE: Proposed Permanent Rules Relating to Electronics Technology Instructor License

AGENCY: Board of Vocational Technical Education

MINNESOTA RULES: Chapter 3700

The attached rules are approved for publication in the State Register

Craig E. Lindeke
Senior Assistant Revisor