R7-2-612. Career and Technical Education Teaching Certificates

A. Except as noted, all certificates are subject to the general certification provisions in R7-2-607, and the renewal requirements in R7-2-619.

B. For purposes of this rule, the following definitions apply:

1. “Agriculture” means agriculture, agriculture operations, and related sciences; natural resources and conservation; environmental design; landscape architecture; agricultural biological engineering; forest engineering, biological and biomedical sciences; parks, recreation and leisure facilities—management; geological and earth sciences/geosciences; veterinary/animal health technician/veterinary assistant; environmental health; and veterinary medicine as described in Classification of Instructional Programs: 2000 Edition: (NCES 2002-165), U.S. Department of Education, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006; U.S. Government Printing Office, April 2002, CIP Code 01, which is incorporated by reference and on file with the Arizona Department of Education and the Office of the Secretary of State. This incorporation by reference contains no future editions or amendments. Copies of the incorporated materials are available for review at the Arizona Department of Education located at 1535 W. Jefferson Street, Phoenix, AZ 85007 or may be ordered from the U.S. Department of Education, ED Pubs, P.O. Box 1398, Jessup, MD 20794-1398.

2. “Business and Marketing” means computer and information sciences and support services; accounting and computer information services; business/commerce, general; business administration, management and operations; accounting; business operations support and assistant services; business/corporate communications; business/managerial economies; entrepreneurial and small business operations; finance and financial management services; hospitality administration/management; human resources management and services; international business; management information systems and services; management sciences and quantitative methods; marketing; real estate; taxation; insurance; general sales, merchandising and related marketing operations; specialized sales, merchandising and marketing operations; and business, management, marketing and related support services, other as described in Classification of Instructional Programs: 2000 Edition: (NCES 2002-165), U.S. Department of Education, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006; U.S. Government Printing Office, April 2002, CIP Code 52, which is incorporated by reference and on file with the Arizona Department of Education and the Office of the Secretary of State. This incorporation by reference contains no future editions or amendments. Copies of the incorporated materials are available for review at the Arizona Department of Education, located at 1535 W. Jefferson Street, Phoenix, AZ 85007 or may be ordered from the U.S. Department of Education, ED Pubs, P.O. Box 1398, Jessup, MD 20794-1398.

3. “Career and Technical Education Field of Study” or “CTE Field of Study” means a field of study in any of the areas identified in subsections B(1), B(2), B(4), B(5), B(6) and B(7) relating to Agriculture, Business and Marketing, Family and Consumer Sciences, Health Careers, Industrial and Emerging Technologies or Education and Training, area relating to a CTE program approved by the Arizona Department of Education as described in the Guidance on CTE Teacher Certification, which is on file with the Arizona Department of Education.

4. “Education and Training” means all occupational areas of secondary education and teaching; junior high/intermediate/middle school education and teaching; elementary education and
teaching; kindergarten/preschool education and teaching; early childhood education and teaching;
adult education and teaching; and special education as described in Classification of Instructional
Office, April 2002, CIP Code 13, which is incorporated by reference and on file with the Arizona
Department of Education and the Office of the Secretary of State. This incorporation by reference
contains no future editions or amendments. Copies of the incorporated materials are available for
review at the Arizona Department of Education located at 1535 W. Jefferson Street, Phoenix, AZ
85007 or may be ordered from the U.S. Department of Education, ED Pubs, P.O. Box 1398, Jessup,
MD 20794-1398.

5. “Family and Consumer Sciences” means culinary arts; kindergarten/preschool education and
teaching; early childhood education and teaching; family and consumer sciences/human sciences;
nutrition sciences; interior design; hospitality administration/management; fashion merchandising;
fashion modeling; apparel and accessories marketing operations; tourism and travel services
marketing operations; tourism promotion operations; and hospitality and recreation marketing
operations as described in Classification of Instructional Programs: 2000 Edition: (NCES 2002-
165) U.S. Department of Education, National Center for Education Statistics, 1990 K Street, NW,
incorporated by reference and on file with the Arizona Department of Education and the Office of
the Secretary of State. This incorporation by reference contains no future editions or amendments.
Copies of the incorporated materials are available for review at the Arizona Department of
Education, located at 1535 W. Jefferson Street, Phoenix, AZ 85007 or may be ordered from the
U.S. Department of Education, ED Pubs, P.O. Box 1398, Jessup, MD 20794-1398.

6. “Health Careers” means exercise physiology; kinesiology and exercise science;
medical/clinical assistant; clinical/medical laboratory assistant; pharmacy technician/assistant;
medical/radiologic technology/science-radiation therapist; radiologic technology/science-
radiographer; physician assistant; athletic training/trainer; clinical/medical laboratory technician;
clinical-laboratory science/medical technology/technologist; phlebotomy/phlebotomist; medicine;
nursing/registered nurse; osteopathic medicine/osteopathy; pharmacy; physical therapy/therapist;
and kinesiotherapy/kinesiotherapist as described in Classification of Instructional Programs: 2000
Edition: (NCES 2002-165) U.S. Department of Education, National Center for Education
2002, CIP Code 51, which is incorporated by reference and on file with the Arizona Department
of Education and the Office of the Secretary of State. This incorporation by reference contains no
future editions or amendments. Copies of the incorporated materials are available for review at the
Arizona Department of Education located at 1535 W. Jefferson Street, Phoenix, AZ 85007 or may
be ordered from the U.S. Department of Education, ED Pubs, P.O. Box 1398, Jessup, MD 20794-
1398.

7. “Industrial and Emerging Technologies” means audiovisual communications
technologies/technicians; graphic communications; cosmetology and personal grooming services;
 electrical engineering—technologies/technicians; electromechanical instrumentation and
 maintenance technologies/technicians; environmental control technologies/technicians; industrial
 production technologies/technicians; quality control and safety technologies/technicians;
mechanical engineering related technologies/technicians; mining and petroleum technologies/technicians; construction engineering technologies; engineering related technologies; computer engineering technologies/technicians; drafting/design engineering technologies/technicians; security and protective services; mason/masonry; carpenters; electrical and power transmission installers; building/construction finishing, management and inspection; electrical/electronics maintenance and repair technology; heating, air conditioning, ventilation and refrigeration—maintenance technology/technician; heavy/industrial equipment maintenance technologies; precision systems maintenance and repair technologies; vehicle maintenance and repair technologies; precision metal working; construction/heavy equipment/earthmoving equipment operation; design and visual communications, general; commercial and advertising art; industrial design; commercial photography; and visual performing arts as described in Classification of Instructional Programs: 2000 Edition: (NCES 2002-165) U.S. Department of Education, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006; U.S. Government Printing Office, April 2002, CIP Codes 10, 12, 15, 43, 46, 47, 48, 49, and 50, which is incorporated by reference and on file with the Arizona Department of Education and the Office of the Secretary of State. This incorporation by reference contains no future editions or amendments. Copies of the incorporated materials are available for review at the Arizona Department of Education located at 1535 W. Jefferson Street, Phoenix, AZ 85007 or may be ordered from the U.S. Department of Education, ED Pub., P.O. Box 1398, Jessup, MD 20794-1398.

8.2. “Occupational Area” means employment in any of the areas identified in subsections B(1), B(2), B(4), B(5), B(6) and B(7) relating to Agriculture, Business and Marketing, Education and Training, Family and Consumer Sciences, Health Careers, or Industrial and Emerging Technologies area relating to a CTE program approved by the Department as described in the Guidance on CTE Teacher Certification, which is on file with the Arizona Department of Education.

9. “Professional Knowledge” means the art of teaching including the knowledge and skills necessary for instructional planning, delivery and evaluation in a career and technical education setting.

10. “Subject Knowledge” means the information, understanding and skills specific to the broad occupational area.

11.3. “Verified Work Experience” means written documentation from a current or former supervisor for paid or unpaid work, a current school superintendent, or the Department of Education Career and Technical Education Programmatic State Supervisor indicating that an applicant for a career and technical education certificate performed work in a business or industry setting related to the program to be taught as identified in subsections B(1), B(2), B(4), B(5), B(6) and B(7) an approved CTE program occupational area.

C. Standard Career and Technical Education (CTE) Certificate—CTE Field of Study—grades K through 12

1. The requirements include all of the following:
   a. Within three years, obtain a passing score on the professional knowledge portion of the Arizona Teacher Proficiency Assessment for secondary teachers or qualification for a waiver of this assessment.
b. A valid fingerprint clearance card issued by the Arizona Department of Public Safety.

c. At least one of the following options:

   i. Option A – Bachelor’s degree in the specified CTE field of study – requirements include all of the following:

   (1) A bachelor’s or more advanced degree in the specified CTE field of study from an accredited institution.

   (2) Thirty semester hours of courses in the specified CTE field of study.

   (3) Two hundred forty clock hours of verified work experience in the specified CTE occupational area. Hours may have been accumulated before obtaining a certification.

   (4) Within three years, complete 48 fifteen semester hours of courses in professional knowledge in career and technical education, to include any of the following areas: principles/philosophy of career and technical education, operation of a career and technical student organization, methods of teaching career and technical education developmentally appropriate instructional delivery, facilitation and methodologies, curriculum—design/development, instructional technology, educational philosophy, instructional design/methodology and lesson planning, including modifications and accommodations, assessment/evaluation—assessing, monitoring and reporting progress, or the learning environment, including classroom management, teaching students with exceptionalities, or professional responsibility and ethical conduct. Hours may be obtained prior to issuance of the standard career and technical education certificate in the specified CTE field of study. Eighteen Fifteen semester hours may be obtained through Department or Board-approved professional development. Fifteen clock hours equals one semester hour.

   ii. Option B – Valid non-CTE Arizona Provisional or Standard teaching certificate or an Arizona CTE teaching certificate in another CTE field of study—requirements include all of the following:

   (1) A valid Arizona provisional or standard teaching certificate for teachers in Birth through grade 12 issued pursuant to this Article.

   (2) One year of the most recent teacher evaluation(s) approved by a certificated administrator, or the administrator’s designee, in a PreK-12 school setting and issued during the term of the Arizona teaching certificate exhibiting satisfactory performance in the classroom.

   (3) Three semester hours of courses in career and technical education methods or content in the specified CTE field of study professional knowledge in career and technical education to include any of the following areas: principles/philosophy of career and technical education, developmentally appropriate instructional delivery, facilitation and methodologies for career and technical education, or instructional technology. Three semester hours may be obtained through Department or Board-approved -CTE approved professional development. Fifteen clock hours equals one semester hour.

   (4) Two hundred forty clock hours of verified work experience in the specified CTE occupational area. Hours may have been accumulated before obtaining a certification.

   (5) Within three years, complete 12 nine semester hours of subject knowledge courses in professional knowledge to include: the CTE field of study.

   (a) Nine semester hours of subject knowledge courses in the CTE field of study; and
(b) Three semester hours of courses in professional knowledge to include any of the following areas: principles/philosophy of career and technical education, operation of a career and technical student organization, methods of teaching career and technical education, curriculum design/development, instructional technology, educational philosophy, instructional design/methodology, assessment/evaluation, or classroom management. Hours may be obtained prior to issuance of the standard career and technical education certificate in the specified CTE field of study. Twelve semester hours may be obtained through Department-CTE approved professional development. Fifteen clock hours equals one semester hour; and

iii. Option C – Business and industry professional - requirements include six thousand clock hours of verified work experience in an occupational area.

(1) Within three years, complete 15 fifteen semester hours of courses in professional knowledge in career and technical education to include any of the following areas: principles/philosophy of career and technical education, operation of a career and technical student organization, methods of teaching career and technical education, developmentally appropriate instructional delivery, facilitation and methodologies, curriculum design/development, instructional design/methodology and lesson planning, including modifications and accommodations, assessment/evaluation, assessing, monitoring and reporting progress, instructional technology, educational philosophy, or the learning environment, including classroom management, teaching students with exceptionalities, or professional responsibility and ethical conduct. Fifteen semester hours may be obtained through Department or Board approved-CTE approved professional development. Fifteen clock hours equals one semester hour; and

iv. Option D – Bachelor’s degree in the specified CTE field of study teacher preparation program – requirements include both of the following:

(1) A bachelor’s or more advanced degree that included completion of a Board approved teacher preparation program in the CTE field of study or from an accredited institution offering substantially similar training, addressing the following topics in career and technical education and any others as required by law:

i. Principles/philosophy of career and technical education,

ii. Instructional design and lesson planning, including modifications and accommodations;

iii. The learning environment, including classroom management;

iv. Developmentally appropriate instructional delivery, facilitation and methodologies;

v. Assessing, monitoring and reporting progress;

vi. Teaching students with exceptionalities;

vii. Professional responsibility and ethical conduct; and

(2) Two hundred forty clock hours of verified work experience in the specified occupational area. Hours shall have been accumulated before obtaining a certification.

(3) Within three years, complete 18 semester hours of courses in professional knowledge, to include any of the following areas: principles/philosophy of career and technical education, operation of a career and technical student organization, methods of teaching career and technical education, curriculum design/development, instructional technology, educational philosophy, instructional design/methodology, assessment/evaluation, or classroom management.
Hours may be obtained prior to issuance of the standard career and technical education certificate in the specified CTE field of study. Eighteen semester hours may be obtained through Department-CTE approved professional development. Fifteen clock hours equals one semester hour.

2. If an applicant fails to meet these requirements within the prescribed time period, the Department of Education or the Board shall temporarily suspend the standard certificate, but the suspension is not considered a disciplinary action and the individual shall be allowed to correct the deficiency within the remaining time of the standard certification.