

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

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

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

5 ~~1. “Agriculture” means agriculture, agriculture operations, and related sciences; natural~~
6 ~~resources and conservation; environmental design; landscape architecture; agricultural biological~~
7 ~~engineering; forest engineering, biological and biomedical sciences; parks, recreation and leisure~~
8 ~~facilities management; geological and earth sciences/geosciences; veterinary/animal health~~
9 ~~technician/veterinary assistant; environmental health; and veterinary medicine as described in~~
10 ~~Classification of Instructional Programs: 2000 Edition: (NCES 2002-165), U.S. Department of~~
11 ~~Education, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006;~~
12 ~~U.S. Government Printing Office, April 2002, CIP Code 01, which is incorporated by reference~~
13 ~~and on file with the Arizona Department of Education and the Office of the Secretary of State.~~
14 ~~This incorporation by reference contains no future editions or amendments. Copies of the~~
15 ~~incorporated materials are available for review at the Arizona Department of Education located at~~
16 ~~1535 W. Jefferson Street, Phoenix, AZ 85007 or may be ordered from the U.S. Department of~~
17 ~~Education, ED Pubs, P.O. Box 1398, Jessup, MD 20794-1398.~~

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

36 ~~3. 1. “Career and Technical Education Field of Study” or “CTE Field of Study” means a field of~~
37 ~~study in any of the areas identified in subsections B(1), B(2), B(4), B(5), B(6) and B(7) relating to~~
38 ~~Agriculture, Business and Marketing, Family and Consumer Sciences, Health Careers, Industrial~~
39 ~~and Emerging Technologies or Education and Training. area relating to a CTE program approved~~
40 ~~by the Arizona Department of Education as described in the Guidance on CTE Teacher~~
41 ~~Certification, which is on file with the Arizona Department of Education.~~

42 ~~4. “Education and Training” means all occupational areas of secondary education and teaching;~~
43 ~~junior high/intermediate/middle school education and teaching; elementary education and~~

1 ~~teaching; kindergarten/preschool education and teaching; early childhood education and teaching;~~
2 ~~adult education and teaching; and special education as described in Classification of Instructional~~
3 ~~Programs: 2000 Edition: (NCES 2002-165) U.S. Department of Education, National Center for~~
4 ~~Education Statistics, 1990 K Street, NW, Washington, DC 20006: U.S. Government Printing~~
5 ~~Office, April 2002, CIP Code 13, which is incorporated by reference and on file with the Arizona~~
6 ~~Department of Education and the Office of the Secretary of State. This incorporation by reference~~
7 ~~contains no future editions or amendments. Copies of the incorporated materials are available for~~
8 ~~review at the Arizona Department of Education located at 1535 W. Jefferson Street, Phoenix, AZ~~
9 ~~85007 or may be ordered from the U.S. Department of Education, ED Pubs, P.O. Box 1398, Jessup,~~
10 ~~MD 20794-1398.~~

11 ~~5. “Family and Consumer Sciences” means culinary arts; kindergarten/preschool education and~~
12 ~~teaching; early childhood education and teaching; family and consumer sciences/human sciences;~~
13 ~~nutrition sciences; interior design; hospitality administration/management; fashion merchandising;~~
14 ~~fashion modeling; apparel and accessories marketing operations; tourism and travel services~~
15 ~~marketing operations; tourism promotion operations; and hospitality and recreation marketing~~
16 ~~operations as described in Classification of Instructional Programs: 2000 Edition: (NCES 2002-~~
17 ~~165) U.S. Department of Education, National Center for Education Statistics, 1990 K Street, NW,~~
18 ~~Washington, DC 20006: U.S. Government Printing Office, April 2002, CIP Code 19, which is~~
19 ~~incorporated by reference and on file with the Arizona Department of Education and the Office of~~
20 ~~the Secretary of State. This incorporation by reference contains no future editions or amendments.~~
21 ~~Copies of the incorporated materials are available for review at the Arizona Department of~~
22 ~~Education, located at 1535 W. Jefferson Street, Phoenix, AZ 85007 or may be ordered from the~~
23 ~~U.S. Department of Education, ED Pubs, P.O. Box 1398, Jessup, MD 20794-1398.~~

24 ~~6. “Health Careers” means exercise physiology; kinesiology and exercise science;~~
25 ~~medical/clinical assistant; clinical/medical laboratory assistant; pharmacy technician/assistant;~~
26 ~~medical radiologic technology/science radiation therapist; radiologic technology/science-~~
27 ~~radiographer; physician assistant; athletic training/trainer; clinical/medical laboratory technician;~~
28 ~~clinical laboratory science/medical technology/technologist; phlebotomy/phlebotomist; medicine;~~
29 ~~nursing/registered nurse; osteopathic medicine/osteopathy; pharmacy; physical therapy/therapist;~~
30 ~~and kinesiotherapy/kinesiotherapist as described in Classification of Instructional Programs: 2000~~
31 ~~Edition: (NCES 2002-165) U.S. Department of Education, National Center for Education~~
32 ~~Statistics, 1990 K Street, NW, Washington, DC 20006: U.S. Government Printing Office, April~~
33 ~~2002, CIP Code 51, which is incorporated by reference and on file with the Arizona Department~~
34 ~~of Education and the Office of the Secretary of State. This incorporation by reference contains no~~
35 ~~future editions or amendments. Copies of the incorporated materials are available for review at the~~
36 ~~Arizona Department of Education located at 1535 W. Jefferson Street, Phoenix, AZ 85007 or may~~
37 ~~be ordered from the U.S. Department of Education, ED Pubs, P.O. Box 1398, Jessup, MD 20794-~~
38 ~~1398.~~

39 ~~7. “Industrial and Emerging Technologies” means audiovisual communications~~
40 ~~technologies/technicians; graphic communications; cosmetology and personal grooming services;~~
41 ~~electrical engineering technologies/technicians; electromechanical instrumentation and~~
42 ~~maintenance technologies/technicians; environmental control technologies/technicians; industrial~~
43 ~~production technologies/technicians; quality control and safety technologies/technicians;~~

1 ~~mechanical—engineering—related—technologies/technicians;—mining—and—petroleum~~
2 ~~technologies/technicians;—construction—engineering—technologies;—engineering-related~~
3 ~~technologies;—computer—engineering—technologies/technicians;—drafting/design—engineering~~
4 ~~technologies/technicians; security and protective services; mason/masonry; carpenters; electrical~~
5 ~~and power transmission installers; building/construction finishing, management and inspection;~~
6 ~~electrical/electronics maintenance and repair technology; heating, air conditioning, ventilation and~~
7 ~~refrigeration—maintenance—technology/technician;—heavy/industrial—equipment—maintenance~~
8 ~~technologies;—precision—systems—maintenance—repair—technologies;—vehicle—maintenance—~~
9 ~~repair—technologies;—precision—metal—working;—construction/heavy—equipment/earthmoving~~
10 ~~equipment operation; design and visual communications, general; commercial and advertising art;~~
11 ~~industrial—design;—commercial—photography;—and—visual—performing—arts—as—described—in~~
12 ~~Classification of Instructional Programs: 2000 Edition: (NCES 2002-165) U.S. Department of~~
13 ~~Education, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006;~~
14 ~~U.S. Government Printing Office, April 2002, CIP Codes 10, 12, 15, 41, 43, 46, 47, 48, 49, and~~
15 ~~50, which is incorporated by reference and on file with the Arizona Department of Education and~~
16 ~~the Office of the Secretary of State. This incorporation by reference contains no future editions or~~
17 ~~amendments. Copies of the incorporated materials are available for review at the Arizona~~
18 ~~Department of Education located at 1535 W. Jefferson Street, Phoenix, AZ 85007 or may be~~
19 ~~ordered from the U.S. Department of Education, ED Pubs, P.O. Box 1398, Jessup, MD 20794-~~
20 ~~1398.~~

21 ~~8. 2. “Occupational Area” means employment in any of the areas identified in subsections B(1),~~
22 ~~B(2), B(4), B(5), B(6) and B(7) relating to Agriculture, Business and Marketing, Education and~~
23 ~~Training, Family and Consumer Sciences, Health Careers, or Industrial and Emerging~~
24 ~~Technologies. area relating to a CTE program approved by the Department as described in the~~
25 ~~Guidance on CTE Teacher Certification, which is on file with the Arizona Department of~~
26 ~~Education.~~

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

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

32 ~~11. 3. “Verified Work Experience” means written documentation from a current or former~~
33 ~~supervisor for paid or unpaid work, a current school superintendent, or the Department of~~
34 ~~Education Career and Technical Education Programmatic State Supervisor indicating that an~~
35 ~~applicant for a career and technical education certificate performed work in a business or industry~~
36 ~~setting related to the program to be taught as identified in subsections B(1), B(2), B(4), B(5), B(6)~~
37 ~~and B(7) an approved CTE program occupational area.~~

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

40 1. The requirements include all of the following:

41 a. Within three years, obtain a passing score on the professional knowledge portion of the
42 Arizona Teacher Proficiency Assessment ~~for secondary teachers~~ or qualification for a waiver of
43 this assessment.

1 b. A valid fingerprint clearance card issued by the Arizona Department of Public Safety.

2 c. At least one of the following options:

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

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

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

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

10 (4) Within three years, complete ~~18~~ fifteen semester hours of courses in
11 professional knowledge in career and technical education, to include any of the following areas:
12 principles/philosophy of career and technical education, ~~operation of a career and technical student~~
13 ~~organization, methods of teaching career and technical education~~ developmentally appropriate
14 instructional delivery, facilitation and methodologies, curriculum—design/development,
15 instructional technology, educational philosophy, instructional design/methodology and lesson
16 planning, including modifications and accommodations, assessment/evaluation—assessing,
17 monitoring and reporting progress, or the learning environment, including classroom management,
18 teaching students with exceptionalities, or professional responsibility and ethical conduct. Hours
19 may be obtained prior to issuance of the standard career and technical education certificate in the
20 specified CTE field of study. ~~Eighteen~~ Fifteen semester hours may be obtained through
21 Department or Board-CTE approved professional development. Fifteen clock hours equals one
22 semester hour.

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

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

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

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

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

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

42 ~~(a) Nine semester hours of subject knowledge courses in in the CTE field~~
43 ~~of study; and~~

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

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

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

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

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

- 29 i. Principles/philosophy of career and technical education,
- 30 ii. Instructional design and lesson planning, including modifications
31 and accommodations;
- 32 iii. The learning environment, including classroom management;
- 33 iv. Developmentally appropriate instructional delivery, facilitation and
34 methodologies;
- 35 v. Assessing, monitoring and reporting progress;
- 36 vi. Teaching students with exceptionalities;
- 37 vii. Professional responsibility and ethical conduct; and

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

40 ~~(3) Within three years, complete 18 semester hours of courses in professional~~
41 ~~knowledge, to include any of the following areas: principles/philosophy of career and technical~~
42 ~~education, operation of a career and technical student organization, methods of teaching career and~~
43 ~~technical education, curriculum design/development, instructional technology, educational~~
44 ~~philosophy, instructional design/methodology, assessment/evaluation, or classroom management.~~

1 ~~Hours may be obtained prior to issuance of the standard career and technical education certificate~~
2 ~~in the specified CTE field of study. Eighteen semester hours may be obtained through Department-~~
3 ~~CTE approved professional development. Fifteen clock hours equals one semester hour.~~

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