



Requirements for the Computer Science, Grades 6-12 Endorsement

Arizona Department of Education – Certification Unit

Endorsement Information:

This Endorsement authorizes the holder to teach Computer Science in grade 6-12. This Endorsement shall be automatically renewed with the certificate on which it is posted.

Administrative Requirement Checklist:

The following items are required by the Certification Unit to complete a Substantive review. The Administrative requirements must be submitted as described, if not, the processing of your application could be delayed. Application fees are non-refundable.

- Application & Fee:** Complete the [Application for Certification](#) and submit it with the appropriate fee.
- IVP Fingerprint Card:** Submit a photocopy of your valid [Arizona Department of Public Safety](#) Identity Verified Prints (IVP) fingerprint card, (not the paper copy), with your application.
- Prerequisite Certificate:** A valid Arizona Standard Professional Elementary, Middle Grades, Secondary, Hearing Impaired, Visually Impaired, Mild/Moderate Disabilities, Moderate/Severe Disabilities, or PreK-12 Teaching certificate.

➤ **Out-of-State Certificate/License:** If you hold a valid, comparable certificate or endorsement from another state submit a copy of the certificate with the above items. The additional documents listed below are not required for applicants who qualify under Certification Reciprocity rules.

- Official Transcripts:** Request that your university/college submit official transcripts documenting the required coursework directly to certification@azed.gov, or by mail to Arizona Department of Education – Certification Unit, P.O. Box 6490, Phoenix, AZ 85005.
 - *Note:* Transcripts submitted by the applicant via the online portal or by email are not considered official. If you completed coursework or degree(s) from an institution outside the United States a course-by-course evaluation from a Department-approved agency is required. Please see the [Foreign Credential Evaluation Agencies Information](#) list for instructions.
- Verification of Training:** If applicable, request that your district superintendent or personnel director complete and submit the [Verification of Computer Science Endorsement Training Form](#) to verify completion of computer science training in lieu of college/university coursework. The completed form must be submitted directly by the school district or charter school to Certification@azed.gov.

Substantive Requirements

1. A valid Arizona Standard Professional Elementary, Middle Grades, Secondary, Hearing Impaired, Visually Impaired, Mild/Moderate Disabilities, Moderate/Severe Disabilities, or PreK-12 Teaching certificate.
2. **Option A or B: See Administrative Requirements for document submission.**

Option A: Computer Science Coursework/Trainings:

- Three semester hours in foundations for teaching computer science which addresses the following topics:
 - Introduction to computer science;
 - Inclusive recruitment, retention, and pedagogical strategies for computer science education;
 - Computational thinking;
 - Instructional planning based on the Arizona state standards for computer science, or comparable computer science.
- Nine semester hours in computer science to include the following:
 - Three semester hours in teaching and learning programming for educators; and



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- Six semester hours in computer science electives which may include, but are not limited to, computer programming, cybersecurity, algorithms and data structures, operating systems, artificial intelligence, machine learning, database development and management, computer networks, and data mining and analytics.

District/Charter School Training Option: Completion of a training program through an Arizona public local education agency (district or charter school) or an accredited college or university may substitute for the required semester hours of coursework. Fifteen (15) clock hours of training, or the equivalent competency-based credential, is equivalent to one (1) semester hour of college coursework. Completion of training programs must be verified by a public-school superintendent or personnel director, or by the appropriate administrator of an accredited college or university.

Option B: Out-of-State Computer Science, Grades 6-12 Certificate or Endorsement

- The applicant holds a valid, comparable Computer Science, Grades 6-12 certificate or endorsement from another state and is in good standing in that other state.

Pursuant to section 41-1093.01, Arizona Revised Statutes, an agency shall limit all occupational regulations to regulations that are demonstrated to be necessary to specifically fulfill a public health, safety, or welfare concern. Pursuant to sections 41-1093.02 and 41-1093.03, Arizona Revised Statutes, you have the right to petition this agency to repeal or modify the occupational regulation or bring an action in a court of general jurisdiction to challenge the occupational regulation and to ensure compliance with section 41-1093.01, Arizona Revised Statutes