

# Arizona Endorsement for Computer Science (CS) Educators

## REQUIRED for PreK-8 & 6-12 CS Educator Endorsement:

1. **Application:** Submission of a completed [Application for Certification](#) and the appropriate fee (see Application for Certification).
2. **AZDPS IVP Fingerprint Clearance Card:** A photocopy of your valid [Arizona Department of Public Safety Identity Verified Prints \(IVP\)](#) fingerprint clearance card.
3. **Prerequisite Certificate:** (A valid Arizona Standard Professional Certificate)
4. **Computer Science Coursework/Training:** 3 semester hours\* in foundations for teaching computer science which addresses the following topics:
  - Introduction to computer science;
  - Inclusive recruitment, retention, and pedagogical strategies in computing education;
  - Computational thinking;
  - Instructional planning based on the Arizona state standards for computer science or comparable computer science standards.

## In addition to the REQUIRED items, IN-STATE educators need:

For PreK-8 CS Educators	For 6-12 CS Educators
<p><b>9 semester hours* to include the following:</b></p> <ul style="list-style-type: none"><li>• 3 semester hours of teaching and learning programming for educators;</li></ul> <p style="text-align: center;"><b>- AND -</b></p> <ul style="list-style-type: none"><li>• 6 semester hours of a computer science elective which may include, but is not limited to, physical computing or mobile computing.</li></ul>	<p><b>12 semester hours* to include the following:</b></p> <ul style="list-style-type: none"><li>• 3 semester hours of teaching and learning programming for educators;</li></ul> <p style="text-align: center;"><b>- AND -</b></p> <ul style="list-style-type: none"><li>• 9 semester hours of a computer science elective which may include, but is not limited to, computer programming, cybersecurity, algorithms &amp; data structures, operating systems, artificial intelligence, machine learning, database development &amp; management, computer networks, and data mining &amp; analytics.</li></ul>

## OUT-OF-STATE educators:

The applicant holds a valid, comparable Computer Science, PreK-8 or 6-12 certificate or endorsement from another state and is in good standing in the other state.

## \*Important Notes:

- Completion of a training program through an Arizona public local education agency or an accredited institution may substitute for the semester hours required for the CS Educator Endorsement.
- **REMEMBER:** 15 clock hours of training, or the equivalent competency-based credential, is equivalent to one semester hour of college coursework.
- Training programs shall be verified by a superintendent or personnel director of the Arizona local education agency or the appropriate administrator of an accredited institution.

