

ARKANSAS DEPARTMENT OF EDUCATION
Computer Science 4-12 (area
528) Additional Licensure Plan

Name: _____ S.S.#: _____

Mailing Address: _____

City, State, Zip: _____

Home phone: (____) _____ Work Phone: (____) _____

Email address: _____ County: _____ School District: _____

School districts seeking to employ educators to teach out of field (not in the field in which the educator is currently licensed) will use the Additional Licensure Plan (ALP) to meet that need. School districts may use the ALP process to address unusual emergency situations when licensed educators are asked to teach in areas/levels for which they are not licensed. School districts may not exceed the six semester limit without possible penalty.

Eligibility Guidelines. Educators must meet the following conditions:

- possess a standard Arkansas educator license,
- seek to add this area of licensure, and
- be assigned to teach in this area rather than the one for which they are currently licensed.

Please refer to the Department of Education website at www.arkansased.org and click on educator Licensure, then Add Area to License, for information on adding additional licensure areas by testing out or through a program of study and testing.

Required Assessments: Praxis II: Computer Science exam #5652 Minimum score required: 142

NOTE: The Praxis Study Companion is available on line from

<https://www.ets.org/s/praxis/pdf/5652.pdf>

Any educator wishing to take any Praxis assessment is strongly encouraged to obtain these study materials.

The following background is strongly recommended before attempting the Praxis testing:

Recommended Content Background:

- Impacts of Computing
- Algorithms and Computational Thinking
- Programming
- Data
- Computing Systems and Networks

Recommended Experience Background:

- Understands and applies knowledge of impact of, obstacles to, and effects of computing
- Understands and applies knowledge of issues regarding intellectual property, ethics, privacy, and security in computing
- Understands and applies knowledge of abstraction, pattern recognition, problem decomposition, number base conversion, and algorithm formats
- Understands and applies knowledge of algorithm analysis, searching and sorting algorithms, recursive algorithms, and randomization.
- Understands and applies knowledge of programming control structures, standard operators,

variables, correctness, extensibility, modifiability, and reusability

- Understands and applies knowledge of procedures, event-driven programs, usability, data structures, debugging, documenting and reviewing code, libraries and APIs, IDEs, and programming language paradigms, including object-oriented concepts
- Understands and applies knowledge of digitalization, data encryption and decryption, and computational tools
- Understands and applies knowledge of simulation, modeling, and manipulation of data
- Understands and applies knowledge of operating systems, communication between devices, and cloud computing
- Understands and applies knowledge of networks, including security issues and the Web

Employing school district guidelines.

- The employing school district will document the need to assign an educator out of field.
- The employing school district superintendent shall submit a waiver request and completed ALP form with the ADE Office of Educator Licensure within 30 days of the out-of-field teaching assignment, thus documenting the above statement.
- The employing school district understands that an educator working under this ALP shall make adequate yearly progress (as specified in the Rules Governing the Educator Licensure) each school year that the educator is employed in the out-of-area assignment.
- The employing school district understands that the educator will have no more than six consecutive semesters from the first date he/she was employed in the out-of-area assignment by any district to meet full licensure requirements for the additional licensure or endorsement being sought. A waiver request must be submitted each school year the educator is employed out-of-area.

School District Assurances:

I certify that the above statements are true and correct to the best of my knowledge.

Superintendent: _____ Date: _____

Educator ALP guidelines.

Educators shall make adequate yearly progress (as specified in the Rules Governing Educator Licensure) each school year that the educator is employed in the out-of-area assignment. If the educator EITHER leaves the ALP position OR doesn't complete the requirements within six consecutive semesters, he/she will NOT be eligible for employment again under an ALP for this area of licensure.

Applicant Signature: _____ Date: _____ S.S.#: _____

RETURN COMPLETED FORM TO:

Arkansas Department of Education
Office of Educator Licensure
Four State Capitol Mall, Room 106 B
Little Rock, AR 72201-1071

Phone: 501.682.4342
Fax: 501.682.4898
www.arkansased.org