

DESE-APPROVED COMPUTER SCIENCE TRAININGS AND POSTSECONDARY COURSES FOR 9TH-12TH GRADE TEACHERS

Teachers who will be teaching a computer science course for any type of approved high school credit for students in grades 9-12 may complete any of the approved trainings or postsecondary courses in order to be properly qualified to teach a computer science course. For more information regarding computer science teacher qualifications, refer to the [Guidance on Computer Science Implementation document](#).

APPROVED TRAININGS

1. Project Lead the Way Computer Science Core Training for High School
 - a. Computer Science Essentials
 - b. Computer Science Principles
 - c. Computer Science A
2. Code.Org Computer Science Principles training
3. AP Computer Science A training
4. AP Computer Science Principles training delivered by the following providers:
 - a. Apple
 - b. Beauty and Joy of Computing
 - c. CodeCombat
 - d. CodeHS
 - e. Code.org
 - f. Computer Science Matters
 - g. Edhesive
 - h. Mobile Computer Science Principles
 - i. Project Lead the Way (PLTW)
 - j. UTeach
 - k. Zulama by Carnegie Learning
5. Microsoft Philanthropies TEALS Program
6. LaunchCode's LCHS Teacher Training

APPROVED POSTSECONDARY COURSES

1. University of Missouri College of Education Online 3 credit Graduate Course: Computer Science for Educators; offered 100% online and fully instructor supported. Email rmarra@missouri.edu for more information.

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If you have a training that you would like the approval committee to consider, please submit the following information to occr@dese.mo.gov. In the subject line of the email, please put *CS Training*.

1. Name of program
2. Cost of program
3. Total number of clock hours to complete the program
4. Units of study (i.e., AP Computer Science Principles has a unit titled “Iteration”)
5. Crosswalk with MO CS Performance Standards
6. Delivery system (in-person, online, blended)
 - a. If blended, please provide number of hours for in-person and online training.

If an accredited college or university would like the committee to consider a course for approval, please submit the following information to occr@dese.mo.gov. In the subject line of the email, please put *CS Postsecondary Course*.

1. Name of course
2. Total credit hours earned
3. Cost per credit hour
4. Length of course
5. Units of study
6. Crosswalk with MO CS Performance Standards
7. Delivery system (in-person, online, blended)
 - a. If blended, please provide number of hours for in-person and online training.

**Please note that the training designed specifically for grades K-8 and training delivered by an unauthorized individual/trainer (i.e., an individual trained in PLTW who then trains someone else) will not be considered as a qualified training.*

Computer Science Education Fund Grant

This grant provides eligible entities the opportunity to be reimbursed for fees to participate in the DESE-approved computer science trainings.