IDoCode is a rigorous Computer Science secondary teacher preparation program at Boise State University. The program attracts pre- and in-service teachers seeking a high quality state certified CS teacher preparation program that prepares them to instill problem solving, collaboration, and technology skills essential for nearly every occupation in our modern economy.

### Goals
- Significantly increase highly trained CS teachers
- Provide free nationally recognized CS curriculum
- Provide quality CS teacher preparation - SBOE approved program for the CS teacher endorsement (currently the only approved program)
- Reach more – and more kinds of – students

### Programs
- Graduate Certificate – CS Teacher Endorsement (20 credits)
- MS in STEM Education CS Emphasis (35 credits)
- BS in CS Secondary Education Emphasis
- Recruiting a fifth cohort - summer 2018

### Teacher Outcomes
- Four cohorts with a total of 64 teachers have started
- From 38 schools in 20 districts
- 37 teachers achieved training sufficient to teach all levels of CS in high school – 7 more ready by Spring
- 4 teachers received the Graduate Certificate – 4 more have completed the course work
- 3 teachers received the Masters degree – 4 more are ready to graduate summer 2018
- 2 teachers have completed the CS Teacher Endorsement (Praxis and observations)
- Student reach beyond the Treasure Valley achieved through partnership with Idaho Digital Learning

### Student Impact (3 year results)
- Growth from 3 HS offering CS to nearly every HS in the Treasure Valley
- Treasure Valley high school CS student enrollment up from 44 students to over 1400
- Concurrent enrollment: 245 students in 2 years of offering CS 101
- Advanced Placement: State-wide doubling of AP CS A tests taken in 2017 to 123; and 192 AP CSP tests taken (new in 2017)
- Female participation nearly doubled to 24% for existing curriculum and 33% using the new curriculum
- Hispanic participation grew from 0 to 16%

### Success through Partnerships
- Local districts to support and promote initiatives
- Support teachers and increase student interest through workshops, mentoring, support from industry, forums, and other community events
- Promote student diversity with NCWIT programs
- Participated in the creation and adoption of the Idaho K-12 Content Standards for Computer Science, and national Praxis exam update
- Partnerships with IDLA, ITC, and the Idaho STEM action center to extend CS opportunities
- Industry representatives to raise awareness

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