

# WDE VIRTUAL 307

## Professional Development Opportunities

The following courses offered by the Wyoming Department of Education are pre-approved for the stated PTSB credit. Credit from these courses counts toward the yearly professional development requirement all virtual education teachers must complete.

Click on the desired course name to be taken to registration information and begin the course. When you complete the course, follow the instructions provided in the course in order to be awarded your PTSB credit upon completion.

### [\*\*Digital Teaching and Learning: Assessment\*\*](#) (1 credit)

This course is designed to develop your expertise in the use of assessment practices and strategies to improve student learning outcomes. While the content of the course is geared specifically toward those teaching K12 courses in an online or virtual environment, the concepts presented can be used for face-to-face instruction.

### [\*\*Digital Teaching and Learning: Canvas Structure\*\*](#) (1 credit)

One of the emerging technologies becoming ubiquitous in K12 education is the Learning Management System (LMS). The State of Wyoming is required by statute to support a common LMS for all K12 students. The Wyoming Department of Education has chosen Canvas as their supported LMS. This course is designed to give you an introduction to the main functionalities of the Canvas LMS, with the main focus being on delivering online and virtual content through Canvas.

### [\*\*Digital Teaching and Learning: Community of Inquiry\*\*](#) (1 credit)

Teachers work to develop a learning community based off of their particular educational philosophy. The philosophy is developed through the modeling done by previous teachers, through completing a teacher preparation program, and of course, through teaching. All of this development normally occurs in the face-to-face classroom; however, how do you build a learning community in the online environment? This course is designed to provide ideas on how to develop a learning community in the online learning environment.

### [\*\*Digital Teaching and Learning: Digital Tools\*\*](#) (1 credit)

This course is designed to help you establish a working framework for technology integration and explore tools that can support your teaching and students' learning in online learning contexts. The ideas can also be transferred to face-to-face and blended classroom configurations. This course provides theoretical underpinnings of technology integration and tool-specific learning activities. It lays a foundation for more advanced technology-rich pedagogy.

### [\*\*Digital Teaching and Learning: Pedagogy\*\*](#) (1 credit)

Every teacher develops and hones their particular educational philosophy for how students should be taught and how students learn. This philosophy is developed through the modeling done by previous teachers, through completing a teacher preparation program, and of course, through teaching. All of this development normally occurs in the face-to-face classroom; however, many teachers question how to teach according to their educational philosophy in the online environment. This course, therefore, is designed to support you in the development of engaging online learning courses and activities developed through a particular pedagogical lens.

### [\*\*Teaching Cybersecurity in Secondary Classrooms Part I\*\*](#) (1 credit)

This course is designed to provide an overview of the fundamentals of cybersecurity in education. This course is based on the Wyoming micro-credential and is the first course in this series.

### [\*\*Teaching Cybersecurity in Secondary Classrooms Part II\*\*](#) (1 credit)

This course is designed to deepen your understanding of cybersecurity principles and help you prepare to integrate lessons into your classroom or school. This course is based on the Wyoming micro-credential and is the second course in this series.

## **Elementary Computer Science**

Courses in this series set teachers up for the Elementary Computer Science micro-credentials.

[\*\*Course 1: Computational Thinking - Elementary\*\*](#) (1 credit)

[\*\*Course 2: Impacts of Computing - Elementary\*\*](#) (1 credit)

[\*\*Course 3: Computing Systems - Elementary\*\*](#) (1 credit)

[\*\*Course 4: Data & Analysis - Elementary\*\*](#) (1 credit)

[\*\*Course 5: Networks & the Internet - Elementary\*\*](#) (1 credit)

[\*\*Course 6: Algorithms & Programming - Elementary\*\*](#) (1 credit)

## **Secondary Computer Science**

Courses in this series set teachers up for the Secondary Computer Science micro-credentials.

[\*\*Course 1: Computational Thinking - Secondary\*\*](#) (1 credit)

[\*\*Course 2: Impacts of Computing - Secondary\*\*](#) (1 credit)

[\*\*Course 3: Computing Systems - Secondary\*\*](#) (1 credit)

[\*\*Course 4: Data & Analysis - Secondary\*\*](#) (1 credit)

[\*\*Course 5: Networks & the Internet - Secondary\*\*](#) (1 credit)

[\*\*Course 6: Algorithms & Programming - Secondary\*\*](#) (1 credit)

## [\*\*2024-2025 Digital Citizenship PK-12 Curricular Framework\*\*](#) (.5 credit)

This self-paced professional development opportunity is available for all inservice or preservice educators interested in developing their digital citizenship knowledge and skills. The course includes interactive modules with videos, activities, and quizzes that take approximately 8 hours to complete.

## [\*\*Wyoming Digital Learning Guidelines 2024-2025\*\*](#) (.5 credit)

This open-enrollment course introduces educators to classroom implementation of the Wyoming Digital Learning Guidelines based on the ITSE Standards for Students.