

Did you know?

Pennsylvania currently has 17,255 open computing jobs (3.2 times the average demand rate). The average salary for a computing occupation in PA is \$85,654, which is significantly higher than the average salary in the state (\$47,540). The existing open jobs alone represent a \$1,477,959,770 opportunity in terms of annual salaries.

Pennsylvania had only 2,969 computer science graduates in 2015.

Computer science drives job growth and innovation throughout our economy and society. Computing occupations are the number 1 source of all new wages in the U.S. and make up two-thirds of all projected new jobs in STEM fields, making Computer Science one of the most in-demand college degrees.

The CSTA Standards:

- Introduce the fundamental concepts of computer science to all students, beginning at the elementary school level.
- Present computer science at the secondary school level in a way that can fulfill a computer science, math, or science graduation credit.
- Encourage schools to offer additional secondary-level computer science courses that will allow interested students to study facets of computer science in more depth and prepare them for entry into the work force or college.
- Increase the availability of rigorous computer science for all students, especially those who are members of underrepresented groups.

Computer Science at MNSD

Districtwide

- 2018-2019
 - K-12 STEM Committee
 - Possible Immaculata STEM Cohort
 - Attendance at the Comp Sci for All Summit
 - K-12 Admin Code.Org training via DCIU

Computer Science at MNSD

High School

- 2018-2019
 - Offer 3 courses: Intro to Comp Sci, AP Comp Sci A, AP Comp Sci Principles
 - Utilizing a new board approved resource to deliver instruction - Edhesive
- 2019-2020
 - Review technology education curriculum and resources

Computer Science at MNSD

Middle School

- 2018-2019
 - Both middle school computer teachers will be trained in Code.org via DCIU
 - Choose resources that will support and meet new standards
- 2019-2020
 - Replace word processing/keyboarding with computer science concepts
 - Coincides with Curriculum Cycle

Computer Science at MNSD

Elementary

- 2018-2019
 - 22 Elementary teachers will be trained in Code.org via DCIU
 - Librarians will teach Unplugged Code.org lessons as part of the library curriculum