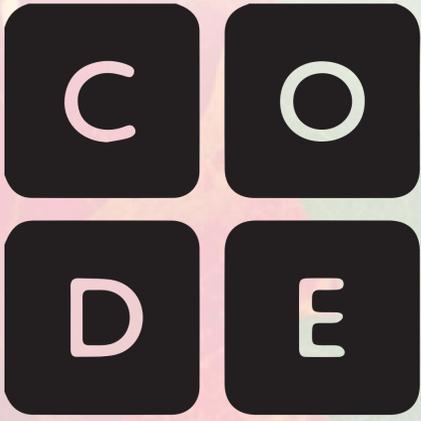


# INDIANA STATE UNIVERSITY

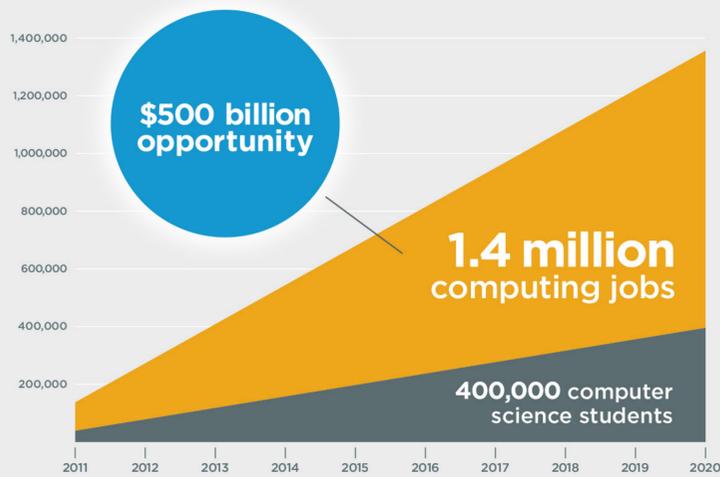
## MATH AND COMPUTER SCIENCE

#HourofCode



- Hour of Code is a nationwide initiative to introduce computer programming to students.
- This year 15 million students participated in the Hour of Code, this included students at Indiana State University.

1,000,000 more jobs than students by 2020



- Indiana currently has over 6,356 open computing jobs.
- The number of computing jobs in Indiana is growing at 4.2x the National State Average
- Events proper like the Hour of Code and ACM programming contest prepares Indiana students for the jobs of tomorrow.

job opportunities



**Association for Computing Machinery**

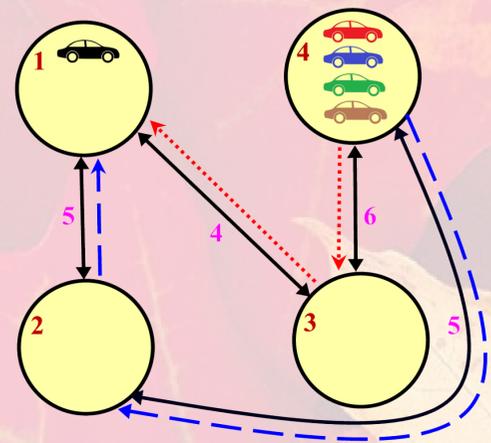
International Collegiate Programming Contest

- The 2014 ACM programming contest had over 40,000 students from 2,286 universities competing in 94 countries on six continents.

- The programming contest fosters creativity, teamwork, and innovation in building new software programs, and enables students to test their ability to perform under pressure.
- This year students from Indiana State University participated in the Midwest regional contest at the University of Cincinnati.

Example:

- The goal is to use global information to instruct morning commuters, who must drive downtown from the suburbs, how best to get to the city center while avoiding traffic jams.
- Determine the maximum number of commuters who can drive downtown without congestion, subject to all commuters starting their journeys at exactly the same time and without any of them taking a suboptimal route.



- cars are shown in their original locations. One car is already downtown. Of the cars at intersection 4, one can go along the dotted route through intersection 3, and another along the dashed route through intersection 2. But the remaining two cars cannot reach downtown while avoiding congestion. So a maximum of 3 cars can reach downtown with no congestion.

ACM



**Indiana State University**

The Center for Community Engagement

acm International Collegiate Programming Contest



event sponsor