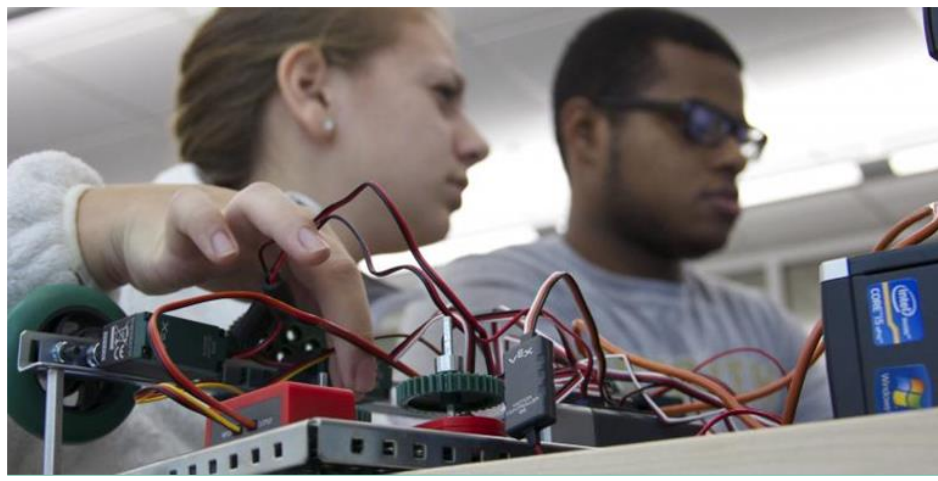


Computer Science Principles/ Digital Electronics



- UC Area "d" Credit (2 years)
- Learn industry technology and software
- Discover your ability to problem-solve and work collaboratively to apply engineering disciplines

The number of job openings projected in 2018 for STEM fields will reach 2.8 million, and approximately half of these will be for computer specialists. This two-hour combination course offered at the MVROP Center Campus is a new addition to the rigorous and relevant PLTW Engineering pathway. The course combines one semester of the PLTW Digital Electronics curriculum and one semester of Computer Science Principles curriculum. This unique MVROP PLTW course gives students the opportunity to learn about different engineering disciplines before beginning post-secondary education or careers.

Computer Science Principles

This course can open doors in any career with computer science! In CSE, students create apps for mobile devices, automate tasks in a variety of languages, and find patterns in data. Students collaborate to create and present solutions that can improve people's lives, and weigh the ethical and societal issues of how computing and connectivity are changing the world.

Digital Electronics

From smart phones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

To enroll or learn more about this program, talk to your counselor or visit your Career Center or contact Mr. Brittain at mbrittain@mvrop.org

More information is also available at <http://www.mvrop.org/instructor/mbrittain.html> or www.mvrop.org