



## Computer Engineering & Software Design

*What kind of jobs can this pathway  
prepare you for?*

- Software Developer
- Computer Systems Designer
- Systems Analyst
- Cybersecurity Expert

## Graduation Requirements

Required credits -  
Subject (required courses)  
*for students scheduled to  
graduate in **2021** on a  
Traditional Diploma Pathway*

- 4 - English (English I & II)
- 4 - Math (Algebra I)
- 4 - Science (Biology I)
- 4 - Social Studies (US History, World History, Geography [<sup>1</sup>/<sub>2</sub>], Economics [<sup>1</sup>/<sub>2</sub>], US Government [<sup>1</sup>/<sub>2</sub>], Mississippi Studies [<sup>1</sup>/<sub>2</sub>])
- <sup>1</sup>/<sub>2</sub> Comprehensive Health
- 1 - Business Technology
- 1 - Art
- 5 - Electives

## Pathway Courses

- Dual Credit Introduction to Engineering (Mississippi State Univ.)
- Computer Science & Cybersecurity
- Simulation & Animation Design

## Suggested Courses

- AP Calculus
- Chemistry
- Dual Credit College Algebra
- *Seniors should complete either a Capstone Project, Career Pathways Experience, or approved internship*