SOFTWARE & GAME DEVELOPMENT

Learning Environment
This two-year IT program explores the knowledge and skills necessary to create software in today’s modern digital environment. First year students will experience a blended environment of both traditional instruction and online learning. The focus will be to establish working knowledge in IT fundamentals, programming concepts, and programming languages such as HTML5 & CSS3, GML, C#, and C++. To enrich skill development, students will learn how to create responsive websites and simple games. Second year is structured to be independent learning and builds on first year skills. Successful students will be self-reliant as well as work effectively on individual and team projects using project management methodologies. Specific technical skill development in the 2nd year will be in areas of Advanced HTML5 & CSS3, JavaScript, PHP and MySql.

Additional industry certification opportunities are available to students who accelerate through the course at mastery level.

HIGH SCHOOL CREDIT · ACADEMIC CREDIT · COLLEGE CREDIT

You will earn elective credit at your high school when you complete this course. You may be eligible to earn 4th year math-related credit, 3rd year science credit, VPAA credit, and credit for an online learning experience, too. See your high school counselor for more information.
YOU MIGHT TAKE THIS CLASS IF YOU
- are good at solving problems
- pay attention to detail
- like programming
- can work independently or with teams

JOBS YOU CAN PREPARE FOR
WITH FURTHER EDUCATION
- Software Developer
- Software Engineer
- Web Application Developer
- Front End Developer
- Full Stack Developer
- Software Architect
- DevOps Engineer
- DevOps Systems Administrator
- Project Manager

STUDENT LEADERSHIP
Software & Game Development students have the opportunity for leadership, competition, and community service through various regional events.

CERTIFICATIONS
- Comptia IT Fundamentals+
- Comptia Project+
- Microsoft MTA Software Development Fundamentals
- CIW Site Development Associate
- CIW Advanced HTML & CSS3 Specialist
- CIW JavaScript Specialist
- Microsoft
  - MTA Introduction to Programming Using HTML and CSS
- Microsoft
  - MTA HTML5 Application Development Fundamentals
- Microsoft
  - MTA Introduction to Programming Using JavaScript
- Customer Service

COLLEGE CREDIT
Students have the opportunity to earn college credit while still in high school through early college credit options and articulation agreements.

Early College
Early college credit is actual college credit earned while in a Tech Center program. The credit appears on a college transcript and can be transferred to many colleges/universities throughout Michigan. A significantly reduced tuition is charged for each college class.

Articulated Credit
Articulated credit is credit that a specific college or university grants for classes taken at the Tech Center. Credit is posted to the transcript after the student has completed a certain number of classes. There is no charge for articulated credit and it cannot be transferred from one college to another.

Visit our website for more information on college credit: www.careerlinetech.org/ctc/collegecareerservices/collegecredit

TO ENROLL:
Call your high school counselor or call 1-877-702-8601.
www.careerlinetech.org

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