

# Computer Programming



## Career Pathways:

Computer Programmers\*  
Software Developers  
Web Designers  
Computer Network Support Specialists  
Computer Science Teachers\*  
CNC Machine Tool Programmers

*\*Some job titles will require post-secondary training*

## Program Entrance Recommendations:

- Good math skills
- Teamwork
- Attention to detail
- Problem solving skills
- Reasoning skills
- Communication skills

**Instructor:** Luke Wilmoth  
**CIP Code 11.0201**

Students in the Erie High Computer Programming lab will learn general writing and implementation of generic and customized programs. Students will learn to apply the methods and procedures of software design and programming to software installation and maintenance.

Instruction will include Microsoft Office, internet, and digital literacy, as well as basic programming languages such as C++, C#, and JavaScript; databases and gaming languages (Python and Unity).

Students will also apply skills to program customization and linking, prototype testing, troubleshooting and related aspects of operating systems and networks.

## Earn Industry Certifications:

Microsoft Office (Access, Word, Excel, PowerPoint, Outlook)

Internet and Computing Core Certification (IC3)

IT Fundamentals (CompTIA)

## Earn College Credits:

Edinboro University of PA (9 credits in ENGR 298)

PA Bureau of CTE SOAR Articulation Credits– for more information, visit <https://www.collegetransfer.net/Search/PA-Bureau-of-CTE-SOAR-Programs>

