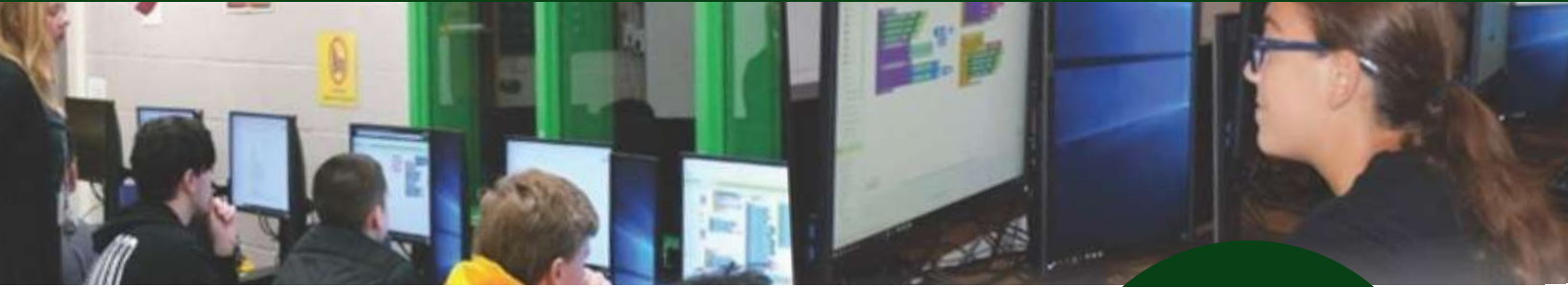# Computer Science-Software Development

Why Study
Computer Science at Ponaganset?

Our Computer Science program develops innovative students with world-ready experience and meaningful industry expertise. An average of 98% of students earn a 3 or higher on the AP Computer Science exams.

Above state average performance on AP Exams

> **Discover your passion and find your purpose at Ponaganset**
> in the classroom, in student organizations, and experiential learning opportunities. The Computer Science program offers hands-on, relevant, and rigourous instruction to students interested in pursuing STEM related occupations.

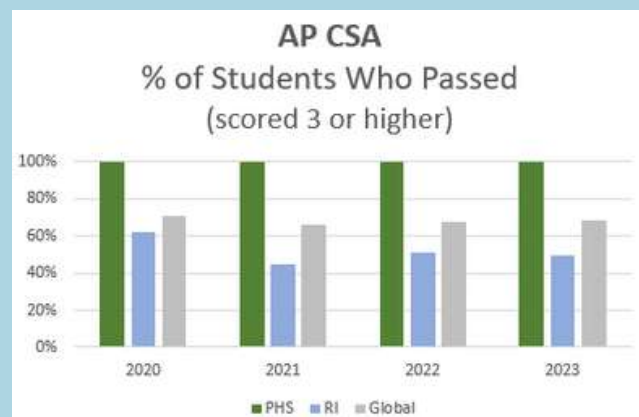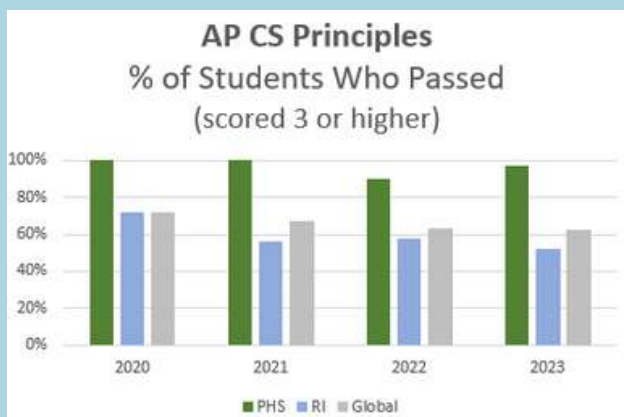> **Immerse yourself in *real-world learning experiences***
> and earn 80 work- based learning hours. Students must complete 80 hours during their four years. These hours are earned through industry projects, service learning, internships, and partnership team members.

> **Enhance your leadership skills**
> by becoming a member of National Technical Honor Society. Students are inducted in the fall of their senior year. Candidates must be enrolled in the Computer Science Program all four years and earn GPA requirements. Click here for more details.

Ponaganset's AP Computer Science Scores are consistently higher than RI and Global Scores

AP CS Principles
% of Students Who Passed
(scored 3 or higher)

AP CSA
% of Students Who Passed
(scored 3 or higher)

Mary Klein

B.S. Computer Science

Computer Science CTE Instructor

Instructor Certifications

12 years' experience as a software engineer
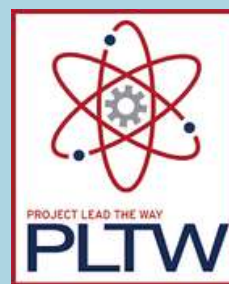
Certified in:

PLTW AP Computer Science A

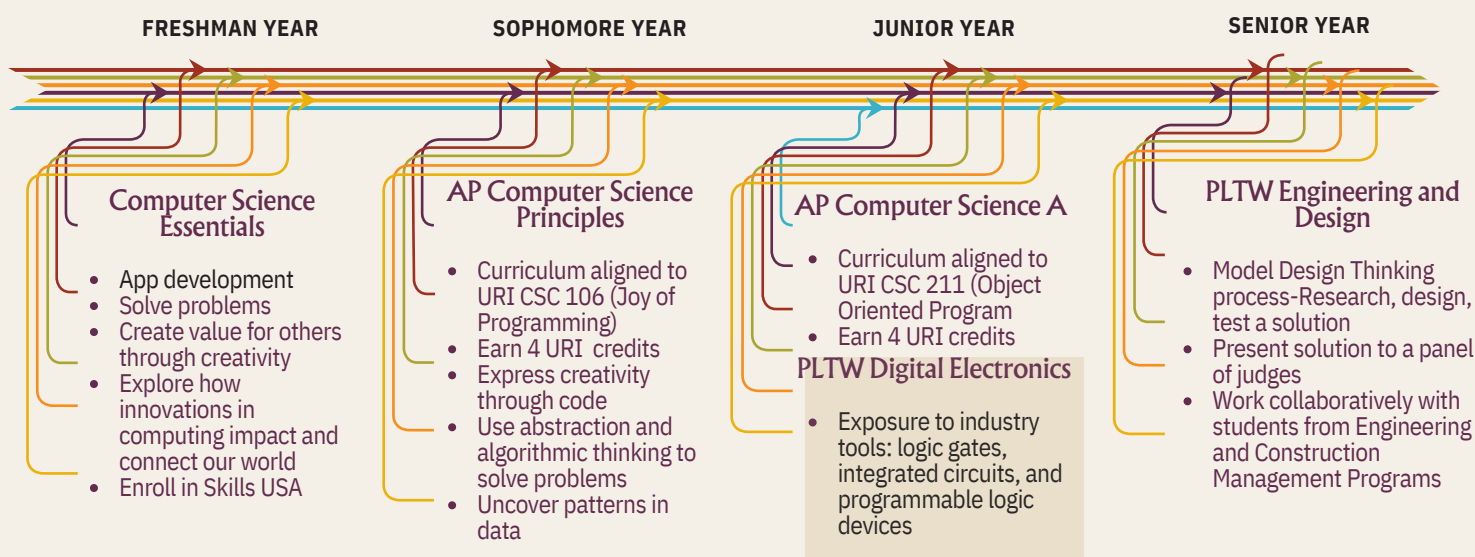PLTW AP Computer Science Principles

PLTW Computer Science Essentials

PLTW Digital Electronics

PLTW Cybersecurity

URI Intro to Computing & Data Science

PROJECT LEAD THE WAY
PLTW

Four-Year path to success (click here for more details)

FRESHMAN YEAR   **SOPHOMORE YEAR**   **JUNIOR YEAR**   **SENIOR YEAR**

Computer Science Essentials

- App development
- Solve problems
- Create value for others through creativity
- Explore how innovations in computing impact and connect our world
- Enroll in Skills USA

AP Computer Science Principles

- Curriculum aligned to URI CSC 106 (Joy of Programming)
- Earn 4 URI credits
- Express creativity through code
- Use abstraction and algorithmic thinking to solve problems
- Uncover patterns in data

AP Computer Science A

- Curriculum aligned to URI CSC 211 (Object Oriented Program
- Earn 4 URI credits

PLTW Digital Electronics

- Exposure to industry tools: logic gates, integrated circuits, and programmable logic devices

PLTW Engineering and Design

- Model Design Thinking process-Research, design, test a solution
- Present solution to a panel of judges
- Work collaboratively with students from Engineering and Construction Management Programs

What sets Ponaganset's program apart?

UNIVERSITY OF RHODE ISLAND · HOPE · 1892

12 College credits through the URI Concurrent Enrollment

AP CollegeBoard Advanced Placement Program

Accomplished and highly trained faculty with industry experience

SkillsUSA.

FIRST

Opportunity to compete in SkillsUSA and First Robotics

Additional Course Offerings

- PLTW Cyber Security (earn 4 URI Credits)
- Computer-Aided Design (CAD)
- Aerospace Engineering
- AP Physics I/II
- AP Precalculus
- AP Calculus AB/BC

Click here for a full list of course offerings

Related Occupations

Post-Secondary Careers

- Web designer or webmaster
- Network administrator or technician
- Telecommunications technician
- Data communications analyst
- Security or database administrator
- Application integrator
- Computer or game programmer
- Software applications architect
- 3D animator
- Virtual reality specialist
- Graphic artist
- Help desk specialist
- Technical writer

Review R.I. Industry Projections and Wages

To learn more about Computer Science or other programs please contact:
admission@fgschools.com

• (401) 710-7500 ext. 3190 •