

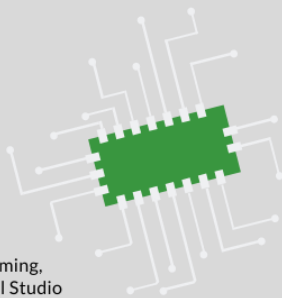
# ACADEMY OF INFORMATION TECHNOLOGY



Students enrolled in Bryan Adams High School Academy of Information Technology will follow this pathway towards NAFTrack Certification

## 1 COMPUTER PROGRAMMING I

This course is designed to introduce the concepts of programming, app development, and writing software solutions in the Visual Studio environment. Emphasis is placed on the software development process, principles of user interface design, and the writing of a complete Visual Basic program.



## 2 AP COMPUTER SCIENCE PRINCIPLES

Using Python software as a primary tool, students explore and become inspired by careers that utilize computing, discover tools that foster creativity, and collaboration, and use what they've learned to tackle challenges like app development and simulation. This course offers AP Credit by exam.



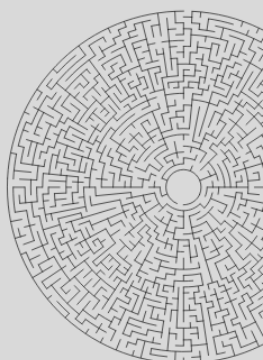
## 3 AP COMPUTER SCIENCE A

Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases, as well as creating a game for their friends or an app to serve a real need in their community.



## 4 NAF INTERNSHIP

The summer between Junior and Senior year, NAF students are required to participate in a 120 hour paid internship. These internships are provided by NAF and community partners. Students must complete a professionalism course to participate



## 5 COMPUTER PROGRAMMING II

This course is designed to teach students advanced programming concepts, including class structures, multimedia programming, advanced arrays, and file structures. Students will apply course concepts through the development of XNA Game Studio computer games.



## 6 NAFTRACK CERTIFICATION

Students that pass all four NAF courses, participate in the 120 hour paid internship, and graduate from Bryan Adams, receive a NAFTrack certification. This certification increases your chance of college acceptance, job acquisition, and NAF partnering companies



## OTHER OPPORTUNITIES

While enrolled in NAF Courses, students will get opportunities for Guest Speakers from various STEM careers, work site tours, and extra job preparation such as mock interviews, financial literacy workshops, and college guidance

