

Academy of Information Technology (IT)

Curricula & Content

We offer five NAF-created courses related to the IT industry, including programming, design, and computer systems. NAF also collaborates with third-party organizations to share high-quality content to support educators and students. All of our NAF courses, projects, and curated content can be found on learning.naf.org.

NAF's courses and content are FREE for NAF academies. Projects are open-access; our courses require a login.



NAF.ORG



NAF Created Courses & Projects

Principles of IT

introduces fundamentals in hardware, operating systems, software, networks, security, privacy, societal impacts, and career opportunities. (Year 1)

Computer Systems

Guides learners through the intricacies of setting up hardware, installing software, connecting to a network, and troubleshooting. (Year 1 or 2)

Graphic Design

This course introduces graphic design, focusing on visual communication, Adobe Photoshop skills, design principles, and elements like color, typography, and images through hands-on activities. (Any year)

Intro to Programming

Students learn basic Python programming skills, as well as program design, documentation, formal debugging, and testing. (Year 2 & 3)

Web Design

This course introduces website creation, covering HTML coding, design principles, usability, accessibility, and development tools. Learners build websites and explore careers in web design through hands-on activities. (Year 2 & 3)

NAF Expeditions

<https://ash.naf.org/public/learning/projects/information-technology>

Free career-connected project-based learning experiences that combine hands-on, real-world projects that explore Computer Vision and Cybersecurity (both in collaboration with Verizon), as well as Creative Coding, Eco-Tech, and more.

Third-Party Content

CODE.ORG - Their free offerings include comprehensive curricula and professional development opportunities to support teaching coding, computational thinking, and problem-solving at an Introductory or AP level.)

CYBER.ORG - A library of free courses that build upon foundational concepts of cybersecurity, coding, networking, and more. There are also courses that prepare students for their CompTIA industry certification exams.

THE CODING SCHOOL - They host yearlong virtual courses in AI and Quantum Computing that are free for participating NAF academies.

