

SPARK

INDUSTRY DEEP DIVE: Information Technology

SUNY Broome:

- **Business Information Technology Department** (<http://www1.sunybroome.edu/programs/bim/>)
 - Website Development and Management A.A.S: Prepares graduates for direct employment in website design and development, social media creation and campaigns, and digital marketing publications.
 - Business Information Management A.A.S: Covers a range of cutting-edge fields, including social media management, business analytics, web design, Microsoft office certifications, and new media design.
- **Computer Science Department** (<https://www2.sunybroome.edu/stem/compscidept/>)
 - Computer Security & Forensics A.A.S: Learn to help design, maintain, and secure computer networks while also using legal and investigative procedures to respond to a variety of incidents.
 - Computer Information Systems A.A.S: Learn applications programming, networking, database systems, productivity software, Internet programming, system security and systems analysis.
 - Computer Technology A.A.S: Learn skill sets such as, C++, Digital Logic, Assembly Language Programming, and software/hardware integration.
 - Computer Science A.S: Planning to transfer? Take the first two years of your Bachelor's Degree with SUNY Broome.



Broome Tioga BOCES (<https://www.btboces.org/CareerTechnicalEducation.aspx>)

- IT Specialist I & II Advanced Placement Courses: Offers 11th- and 12th-grade students the opportunity to learn job skills through instruction and hands-on experience.
- The New Visions Engineering Academy: Program for high school seniors who like problem solving and teamwork. Students get a broad overview of the engineering disciplines, including computer engineering and computer science.
 - Includes campus experience, job shadowing placement, and a technical project.
- Summer STEAM Academy: A 2-week, hands-on program that engages students in project-based learning around science, technology, engineering, math and art. Local professionals team up with students in small learning communities to explore and develop projects with real-world applications.



Binghamton University: Watson College of Engineering and Applied Science (<https://www.binghamton.edu/watson/>)

- Computer Science B.S: develop an important foundational understanding of algorithms, computer architecture, and operating systems; and advance to study other cutting-edge topics including machine learning, cybersecurity, cloud computing, data science, mobile computing and more.



Explore more careers in the region:

- <https://www.broomeisgood.com/work/>
- <http://www.broometiogaworks.com/>

Attend more SPARK: Industry Deep Dive programs: *All programs are 9:30-10:30 AM*

- **Manufacturing:** June 10
- Information at www.sparkgreaterbinghamton.com

