

Business, Arts, Marketing, & Informational Technology Academy (BAMIT)

Pathway: Information Technology

Description: Students will learn the complexities of computer software, hardware, and programming processes to enable them to be successful in the workplace. Building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.

Grade	English	Math	Science	Social Studies	PE/ Health	General Electives	Pathway Electives	Occupations Relating to This Pathway
9	English 9	Algebra I Hon Geometry	Biology	World History	PE 9	Fine Arts CTE Foreign Languages Academic	Freshman Seminar & Semester Elective#	<ul style="list-style-type: none"> ▶ Database Administrator ▶ Data Systems Designer ▶ E-Business Specialist ▶ Game Developer ▶ Information Technology Engineer ▶ Network Administrator ▶ Network Security Analyst ▶ PC Support Specialist ▶ Programmer ▶ Software Applications Specialist ▶ Systems Administrator ▶ Telecommunications Network Technician ▶ User Support Specialist ▶ Virtual Reality Specialist
10	English 10	Geometry Hon Geo Algebra II Coll Algebra	Chemistry	Elective	PE10/ Health	Fine Arts CTE Foreign Languages Academic	Business Technology and Concepts*	
11	English 11	Algebra II Coll Algebra Trigonometry Pre-Calculus Math Topics	Physics	US History	PE Elective	Fine Arts CTE Foreign Languages Academic	Information Processing I Computer Operations & Programming RVC- CISCO I, II	
12	English 12	Elective	Elective	Econ-Gov	PE Elective	Fine Arts CTE Foreign Languages Academic	Information Processing II RVC- Cisco III, IV RVC- A+ RVC- C++	
<p>Recommended Electives to support pathway: #Beginning Computer Applications (Highly Recommended) Entrepreneurship Graphic Design Web Design Internship</p>								
<p>Educational Opportunities after High School: RVC-A Associate in Cisco Networking, Computer and Information Specialist, Data Assurance and IT Security, Industrial Computer Systems, Personal Computer Technical Specialist, Networking Specialist, Web Information Technology RC-B Computer Science NIU- B in Computer Science-Computational Software, Enterprise Software, Software Development, Mathematical Sciences-Computational, Operations and Information Management NIU-M Management Information Systems, Computer Science RAS-A Information Systems Management-specializations. BS-Digital Design and Animation, Game and Simulation Programming, Computer Science, Cyber Security, Information Technology Management</p>								

*Articulation/Dual Credit agreement with RVC is pending.

RVC: Rock Valley College

RC: Rockford College

NIU: Northern Illinois University

RAS: Rasmussen College

A: Associates Degree (2-year degree)

B: Bachelor's Degree (4-year degree)

M: Master's Degree (6-year degree)