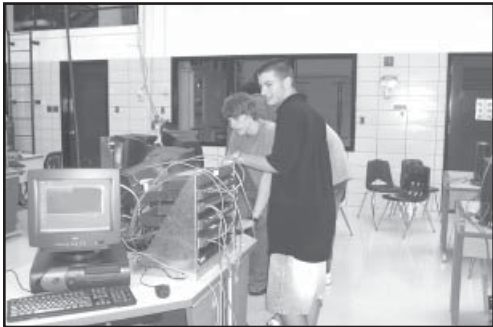


# INFORMATION TECHNOLOGY—NETWORKING

The Information Technology program provides students with a range of computer skills from fundamental to advanced, along with the problem-solving skills necessary to succeed in the computer career field. Students follow one of two career paths, IT—Programming or IT—Networking..



## Introduction to Wireless Networking concepts & Technology Highlights

- E-learning through individual computerized on-line instruction
- In-depth exposure to computer hardware and operating systems.
- Design, build, and maintain computer networks
- Troubleshoot and repair computer software and hardware problems
- Hands on exposure to the latest networking equipment & tools.



## Certification

All students who master the course offering should take and pass the certification of:

- Cisco Certified Entry Level Network Technical (CCENT)
- COMPTIA'S' Computer Certification A+



## Sample Careers that the Networking Cours may lead to:

- Computer Tech
- PC Support Tech
- Network Administrator
- Project Manager
- Network Engineer
- Computer Engineer

## Internships:

During their senior year, students may participate in the work-study program, dual enrollment program, or stay at Western for a full schedule. Information Technology courses are offered to students remaining at Western for their senior year.

## Articulation with CCBC:

Successful completion of the Networking courses with a “B” on the final exams can lead to students earning up to 12 articulated credit at the Community College of Baltimore County.

# IT—NETWORKING

Content Area	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English	English 9	English 10	English 11	English 12
Math	Algebra I	Algebra II	Geometry	College Readiness Math or Trig with Algebra
	Honors Algebra II	Honors Geometry	Pre Calculus or Trig/Analyt	AP Calculus I/II or College Algebra
	Honors Algebra II and Honors Geometry or G & T Geometry	Precalculus or Trig/Analyt	AP Calculus I/II or College Algebra	AP Calculus II or AP Statistics
Science	Biology	Chemistry	Physics or Earth Science	Science Elective
Social Studies	American Government	World History	US History	EPI (.5 cr)
Graduation Requirements	Introduction to Engineering & Technology Concepts (IETC) (1 cr)	Fine Arts	Health (.5 cr)	Elective
Completer Classes	Introduction to Information Technology (1 cr)	Course TBD (1 cr) IT Essentials I - A+ (1 cr)	Networking for Home and Small Businesses (1 cr) Working at a Small-to-Medium Business or ISP (1 cr)	Capstone Work Experience Network Administration Design III CWE (3 cr)
Requirements/ Electives	Physical Education	Foreign Lang. or Elective	Foreign Lang. or Elective	Foreign Lang. or Elective

See page 37 for admission criteria!