

# ELECTRONICS AND COMPUTER TECHNOLOGY



IMAGINE

DREAM

EXPERIENCE

ACHIEVE

- ◆ *Learn the basics that open the door for all electronics—professional and personal*
- ◆ *Design and install data networks, cable TV, audio systems and security in the WCC Building Trades Smart Home*
- ◆ *Robotics will automate your future*

Dual College Credit Available  
Certification opportunities

## CAREER FOCUS

Prepare for exciting career opportunities that are constantly changing and expanding

Careers in this field are listed in the  
Hoosier Hot 50 jobs!

[www.wcc.warren.k12.in.us](http://www.wcc.warren.k12.in.us)

### CAREER CLUSTERS



BUSINESS AND  
INFORMATION  
TECHNOLOGY



COMMUNICATION  
AND  
THE ARTS

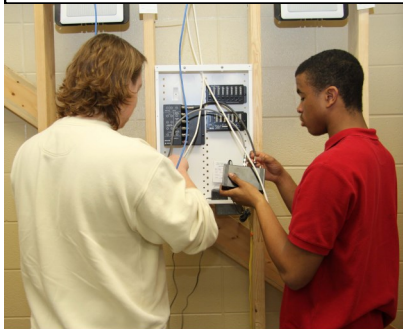
ENGINEERING AND  
TECHNOLOGY  
EDUCATION



HEALTH AND  
LIFE  
SCIENCES



HUMAN AND  
GOVERNMENT  
SERVICES



## Electronics and Computer Technology

Are you interested in knowing how to wire the internet, cable TV, an integrated audio system, security system, camera surveillance system in a house? Then YOU need to sign up for the Electronics and Computer Technology. Wow, did anyone say Smart Home! You will learn how to design and install automated systems that go into homes and businesses. Activities will include a focus on low voltage wiring, systems integration, telecommunications standards, and exposure to a range of residential technologies including audio/video systems; home security and surveillance systems. You will be eligible to take the Electronic Systems Technician (EST) certification exam. Employers in the custom electronics industry are looking for employees with EST certification.

## Indiana College and Career Pathways

### Career Pathway: Electrical Technology Indiana Career Cluster: Architecture and Construction Core 40 High School Graduation Plan

S E C O N D A R Y	YR	English/ Language Arts	Math	Science	Social Studies PE	Courses for Electronics Pathway		Additional Elective Courses
	9	English 9	Algebra I	Biology	Physical Ed	Preparing for College and Careers/Personal Financial Responsibility	Technology Systems	Core 40 Directed Elective
	10	English 10	Geometry	Core 40 Physical Science	Geography/History of the World or World History/ Civilization	Health/ Core 40 Directed Elective	Introduction to Advanced Manufacturing & Logistics or Intro to Manufacturing	Core 40 Directed Elective
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science Course	US History	Electronics and Computer Technology I		Core 40 Directed Elective
	12	English 12	Math or Quantitative Reasoning	Core 40 Directed Elective	Government/ Economics	Electronics and Computer Technology II		Core 40 Directed Elective

### Postsecondary Plan

P O S T S E C O N D A R Y	<b>Occupations related to this pathway include:</b> Cable Installer, Apprentice Electrician, Consumer Electronics Apprentice, Cable Repairer, Electrician, Robotics Technician, Engineering Technologist, Electrical Engineer, Robotics Engineer, Electrical Service Technician, Teacher
	<b>Career Goal:</b>
	<b>Post Secondary Plans:</b> Job _____ Apprenticeship _____ Military Branch _____ College/University _____ (Check which area you plan to enter upon graduation from high school.)
	<b>Dual Credit and Certifications:</b> EST Certification ELEC 100 Basic Electricity and Electronic (5 credits); ELEC 130 Digital Logic I (4 credits) - Vincennes University