

Career & Technical Education Required Prerequisites - Magnet Schools

The recommendation is CTE courses are taken in sequence to ensure students meet the requirement of the Endorsement. Although some courses may not have a state required prerequisite, there is usually a recommendation and skill attainment to consider. If you have questions please contact the CTE Department.

CTE Course	Required Prerequisite
Agriculture Science and Technology Academy	
Advanced Animal Science	Biology and Chemistry or IPC and Chemistry
	Algebra I and Geometry
	Either Small Animal Management, Equine Science, or Livestock
Veterinary Medical Applications	Equine Science, Small Animal Management, or Livestock Production
Agricultural Leadership, Research, and Communications	One credit from courses in the Agriculture, Food, and Natural Resources Career Cluster
Communications Arts High School	
Audio Video Production II	Audio Video Production I
Animation II	Animation I
Construction Careers Academy	
Architectural Design I	Algebra I
	English I
Architectural Design II	Architectural Design I
	Geometry
Practicum in Architectural Design	Architectural Design II
Construction Technology II	Construction Technology I
Construction Management II	Construction Management I
Electrical Technology II	Electrical Technology I
Plumbing Technology II	Plumbing Technology I
Engineering Design & Presentation I	Algebra I
Engineering Design & Presentation II	Algebra I & Geometry
Practicum in STEM	Algebra I & Geometry
Practicum in Construction Technology	Electrical Technology II, Plumbing Technology I

Career & Technical Education Required Prerequisites - Magnet Schools

The recommendation is CTE courses are taken in sequence to ensure students meet the requirement of the Endorsement. Although some courses may not have a state required prerequisite, there is usually a recommendation and skill attainment to consider. If you have questions please contact the CTE Department.

CTE Course	Required Prerequisite
Health Careers High School	
Health Science Theory / Health Science Clinical	Biology
Practicum in Health Science	Health Science Theory
	Biology
Pharmacology	Biology & Chemistry
Anatomy & Physiology	Biology & 2 nd Science
Pathophysiology	Biology & Chemistry
Medical Microbiology	Biology & Chemistry
Advanced Computer Science I	Algebra I
Computer Science II	Algebra I, Computer Science I, or Fundamentals of Computer Science
Computer Science III	Computer Science II, AP Computer A
Engineering Design and Presentation I	Algebra I
Engineering Design and Presentation II	Algebra II and Geometry
Practicum in Science, Technology, Engineering, and Mathematics (STEM)	Algebra I and Geometry
John Jay Science and Engineering Academy	
Engineering Design & Presentation I	Algebra I
Engineering Design & Presentation II	Algebra I & Geometry
AP Computer Science Principles	Algebra I
Computer Science I	Algebra I
Computer Science II	Algebra I, Computer Science I, or Fundamentals of Computer Science
Computer Science III	Computer Science II or AP Computer Science A
Marshall Law and Medical Services	
Emergency Medical Technician - Basic (EMT)	Biology
Fire Fighter II	Fire Fighter I
Forensic Science	Biology & Chemistry

Career & Technical Education Required Prerequisites - Magnet Schools

The recommendation is CTE courses are taken in sequence to ensure students meet the requirement of the Endorsement. Although some courses may not have a state required prerequisite, there is usually a recommendation and skill attainment to consider. If you have questions please contact the CTE Department.

CTE Course	Required Prerequisite
Anatomy & Physiology	Biology & 2 nd Science
Practicum in Health Science	Health Science Theory
	Biology
NSITE-Northside School of Innovation Technology and Entrepreneurship	
Internetworking Technologies II	Internetworking Technologies I
Practicum in Entrepreneurship (TBD)	TBD
Practicum in Information Technology	A minimum of two high school information technology (IT) courses
Mobile Application Development	Algebra I

Northside ISD does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. Further nondiscrimination information can be found at [Notification of Nondiscrimination in Career and Technical Education Programs](#).