

Central Academy of Technology and Arts Pathways

“Class of 2022”

Information Technology – Cyber Security

9th	Comp TIA IT Fundamentals	Python Programming I Honors
10th	Networking Engineering Tech I Honors	Intro to Cyber Security Honors
11th	Intro to Cyber Crime & Intro to Computers with SPCC	Ethics and High Technology & Computer Crime Investigation with SPCC
12th	Security Concepts & Computer Forensics I with SPCC	Computer Forensics II & Technology Crime and Law with SPCC Networking & Security Foundations

Information Technology – Computer Engineering

9th	Comp TIA IT Fundamentals	Microsoft Excel/Access
10th	Computer Engineering Tech I	Computer Engineering Tech II Honors
11th	Network Engineering Tech I Honors	Network Engineering Tech II Honors
12th		Network Engineering Tech III Honors

Information Technology – Software & Game Design

9th	Microsoft Excel/Access	Python Programming I Honors
10th	AP Computer Science Principles	Digital Design and Animation I Honors
11th	Python Programming II Honors or Adobe Visual Design	AP Computer Science A
12th	Game Art & Design Honors	Advanced Game Art & Design Honors CTE Advanced Studies/Independent Study (optional)

Medical Science

9th	PLTW Principles of Biomedical Honors	Health Science I Honors
10th	PLTW Human Body Systems Honors	Sports Medicine I Honors
11th	PLTW Medical Interventions Honors	
12th	PLTW Biomedical Innovation Honors	Health Science II Honors, CTE Medical Internship, and/or Sports Medicine II Honors (optional)

Performing Arts - Dance

9th	Apparel I	Dance I
10th	Dance II	Dance III Honors
11th	Dance III Honors	Dance IV Honors
12th	Technical Theatre (optional) Dance Specialization Advance Honors (optional)	Dance IV Honors

Performing Arts – Music Production and Recording Arts

9th	Either Band, Chorus, or Piano	Music Theory Honors
10th	Multimedia & Web Page Design Either Band, Chorus, or Piano	Audio Engineering Tech I Honors
11th	Audio Engineering Tech II Honors Either Band, Chorus, or Music Specialization	Adobe Video Design Honors
12th	CTE Advanced Studies in Business and Information	Either Band, Chorus, Internship, and/or Music Specialization

Performing Arts - Theatre

9th	Theatre I & Apparel I	Musical Theatre
10th	Technical Theatre I & Theatre II	Theatre III Honors
11th	Theatre III Honors	Theatre IV Honors
12th	Theatre IV Honors	Theatre Specialization Advanced Honors and/or Play Production (optional)

Pre-Engineering

9th	PLTW Intro to Engineering Design (IED)	Robotics 1 Honors
10th	Electronics DC Honors	Electronics AC Honors
11th	PLTW Computers Integrated Manufacturing (CIM)	PLTW Principles of Engineering (POE)
12th	PLTW Engineering Design & Development (EDD)	Elective Options – PLTW Aerospace Engineering (AE), PLTW Civil Engineering & Architecture (CEA), Advanced Manufacturing, & Metals

Transportation - Auto Technology

9th	Intro to Auto Services	
10th	Auto Service I	Auto Service II
11th	Auto Service III	Auto Service – Engine Drivetrain
12th	CTE Advanced Studies (optional)	Auto Service – Suspension Chassis Electrical

Transportation – Collision

9th		Collision Repair Fundamentals
10th	Collision Repair I Introduction	
11th	Collision Repair Non-structural	Collision Repair Refinishing
12th	Collision Repair Estimating	CTE Advanced Studies (optional)