Central Academy of Technology and Arts Pathways
"Class of 2025"

Information Technology – Cyber Security

9th	CompTIA IT Fundamentals	AP Computer Science Principles
10th	Network Engineering Tech I Honors Python Programming 1 Honors (Optional)	Intro to Cyber Security AP Computer Science A (optional)
11th	**CET 150:** Computer Forensics I **CCT 110:** Intro to Cyber Crime	**CTI 120:** Network and Security Foundation **CET 250:** Computer Forensics II
12th	**SEC 110:** Security Concepts **SEC 150:** Secure Communications	**SEC 160:** Security Administration I **SEC 258:** Security Compliance

Information Technology – Computer Engineering

9th	CompTIA IT Fundamentals	Microsoft Excel Expert
10th	Computer Engineering Tech I	Computer Engineering Tech II Honors
11th	Network Engineering Tech I Honors	Network Engineering Tech II Honors
12th	**Optional electives:** Electronics DC Honors (Level 1), Electronics AC Honors (Level 2), Robotics Honors	Network Engineering Tech III Honors

Information Technology – Software & Game Design

9th	Microsoft Excel Expert	AP Computer Science Principles
10th	Python Programming I Honors (Programming Track) **OR** Adobe Visual Design (Arts track)	Python Programming II Honors (Programming Track) **OR** Adobe Video Design Honors (Arts track)
11th	Digital Design and Animation I Honors	AP Computer Science A or Digital Design and Animation II Honors
12th	Game Art & Design Honors	Advanced Game Art & Design Honors

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	**Optional electives:** Health Science II Honors, CTE Medical Internship

Performing Arts - Dance

9th	Apparel I	Dance I
10th	Dance II	Dance III Honors
11th	Dance III Honors	Dance IV Honors
12th	**Optional electives:** Tech Theatre I, Apparel II, Dance Specialization Honors	Dance IV Honors

Performing Arts – Music Production and Recording Arts

9th	Music Theory Honors	Either Band or Chorus
10th	Adobe Visual Design Either Band, Chorus, or Music Specialization	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 or Chorus, Music Specialization, or Internship

Performing Arts - Theatre

9th	Theatre I	Apparel I & Chorus
10th	Technical Theatre I and Theatre II	Theatre III Honors
11th	Theatre III Honors	Theatre IV Honors
12th	Theatre IV Honors	**Optional electives:** Theatre Specialization Honors, Tech Theatre II, Play Production, Apparel II, Physical Theatre

Pre-Engineering: Pre-Engineering Track ; Pre-Engineering Tech Track

9th	PLTW Intro to Engineering Design (IED) (Both tracks)	Robotics I Honors (Both tracks)
10th	Electronics DC Honors (Both tracks)	Electronics AC Honors (Both tracks)
11th	PLTW Principles of Engineering (POE) Advanced Manufacturing 1 Honors	Robotics II Honors
12th	PLTW Engineering Design & Development (EDD) Advanced Manufacturing 2 Honors	**Elective Options** – PLTW Aerospace Engineering (AE), PLTW Civil Engineering & Architecture (CEA), AP Computer Science, Advanced Manufacturing I and II, PLTW Computer Integrated Manufacturing (CIM)

Transportation - Auto Technology

9th		Automotive Service Fundamentals
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	
11th	Collision Repair II Non-structural	Collision Repair II Refinishing
12th		CTE Advanced Studies