

South School Course Sequence SY 2019-2020

Pathway	Course Sequence			
	Year 1	Year 2	Year 3	Year 4
	Akins			
Ag, Food, Natural Resources (Veterinary Medicine)	Principles of Ag, Food & Natural Resources (8100.RC0C.Y) Grades 9-10	Small Animal Management (8104.RC0C.X) (.5 credit) Grades 10-11 and Equine Science (8106.RC0C.X) (.5 credit) Grades 10-11	"Veterinary Medical Applications" (8108.HA0C.Y) Grades 11-12	If Algebra I, Geometry, Biology & Chemistry or IPC requirements met: "Adv. Animal Science" (8110.HA0C.Y) Grade 12 OR "Practicum in Ag 1 – Vet Tech" (8144.HA2C.Y) (2 credits) Grade 12
Arts, A/V (Animation)	Principles of Arts, AV/Technology & Communications (8250.RC0C.Y) Grades 9-10	Animation 1 w/Lab (8254.HT1C.Y) (2 credits/1 block) Grades 10-11	"Animation 2 w/Lab" (8257.HT1C.Y) (2 credits/1 block) Grades 11-12	Video Game Design (8316.RC0C.Y) Grade 12
Health Science (Biomedical Science - PLTW)	Principles of Biomedical Science (PLTW) (8434.HT0C.Y) Grade 9	"Human Body Systems" (PLTW) (8436.HT0C.Y) Grade 10	"Medical Interventions" (PLTW) (8438.HT0C.Y) Grade 11-12	"Problem Based Research 1: Biomedical Science" UT-Austin HRI (8920.H900.Y/8920.NC10.Y) Grade 12 AND/OR If Biology and Chemistry requirements met: World Health Research (8432.HA0C.Y) Grade 12
Information Technology Network Systems	Computer Programming 1 (8542.HT1C.Y) Grades 9-10	Computer Maintenance w/Lab (8531.RC0C.Y) (2 credits/1 block) Grades 10-11	"Networking w/ Lab" (8536.RC0C.Y) (2 credits/1 block) Grades 11-12	"Computer Technician Practicum" (8538.HA0C.Y) (2 credits) Grade 12
STEM (Engineering – PLTW / Civil Engineering)	If Algebra 1 requirement not met: Principles of Applied Engineering (8680.HT0C.Y) Grade 9 OR If Algebra 1 requirement met: Intro to Engineering Design (PLTW) (8760.HT0C.Y) Grades 9-10	Intro to Engineering Design (PLTW) (8760.HT0C.Y) Grades 9-10 (if not met in year 1) OR If Algebra 1, Biology & IPC/Chemistry or Physics requirements met: "Engineering Science" (8762.HA0C.Y) Grades 10-11	If Algebra 1, Biology & IPC/Chemistry or Physics requirements met: "Engineering Science" (8762.HA0C.Y) Grades 10-11 AND/OR Engineering Design and Presentation I (8688.RC0C.Y) AND/OR Architectural Design I (TBD) All Grade 11	If Algebra 1 and Geometry requirements met: Digital Electronics (8764.RC0C.Y) Grade 12 AND/OR If Algebra 1, Biology & IPC/Chemistry or IPC requirements met: "Scientific Research/Design 3-Civil Engineering" (8723.HC9C.Y or 8723.HC8C.Y) Grade 12
STEM (Engineering – PLTW / Aerospace Engineering)	If Algebra 1 requirement not met: Principles of Applied Engineering (8680.HT0C.Y) Grade 9 OR If Algebra 1 requirement met: Intro to Engineering Design (PLTW) (8760.HT0C.Y) Grades 9-10	Intro to Engineering Design (PLTW) (8760.HT0C.Y) Grades 9-10 (if not met in year 1) OR If Algebra 1, Biology & IPC/Chemistry or Physics requirements met: "Engineering Science" (8762.HA0C.Y) Grades 10-11	If Algebra 1, Biology & IPC/Chemistry or Physics requirements met: "Engineering Science" (8762.HA0C.Y) Grades 10-11 AND/OR "Aerospace Engineering" (PLTW) (8766.HT0C.Y) Grade 11 AND/OR If Algebra 1, Biology & IPC/Chemistry or Physics requirements met: "Scientific Research & Design-Rocketry" (8718.HC1C.Y) Grades 11-12	If Algebra 1 and Geometry requirements met: Digital Electronics (8764.RC0C.Y) Grade 12 AND/OR If Biology, Algebra I & IPC/Chemistry or IPC requirements met: "Scientific Research/Design 1-Rocketry" (8718.HC1C.Y) Grades 11-12 OR If Biology, Algebra I & IPC/Chemistry or IPC requirements met: "Scientific Research/Design 2-Rocketry" (8722.HC1C.Y) Grade 12
STEW (Engineering – PLTW / Manufacturing Engineering)	If Algebra 1 requirement not met: Principles of Applied Engineering (8680.HT0C.Y) Grade 9 OR If Algebra 1 requirement met: Intro to Engineering Design (PLTW) (8760.HT0C.Y) Grades 9-10	Intro to Engineering Design (PLTW) (8760.HT0C.Y) Grades 9-10 (if not met in year 1) OR If Algebra 1, Biology & IPC/Chemistry or Physics requirements met: "Engineering Science" (8762.HA0C.Y) Grades 10-11	If Algebra 1, Biology & IPC/Chemistry or Physics requirements met: "Engineering Science" (8762.HA0C.Y) Grades 10-11 AND/OR "Computer Integrated Mfg." (PLTW) (8770.HT0C.Y) Grade 11	"If Algebra 1 and Geometry requirements met: Digital Electronics (8764.RC0C.Y) Grade 12 AND/OR If Biology, Algebra I & IPC/Chemistry or IPC requirements met: "Scientific Research/Design 3-Manufacturing Engineering" (8723.HC8C.Y) Grade 12

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Bowie				
Government (Military Science - JROTC)	JROTC 1 (9013.R000.Y OR 6013.R000.Y)	JROTC 2 (9023.R000.Y) OR JROTC 3 (9033.R000.Y)	JROTC 3 (9033.R000.Y) OR JROTC 2 (9023.R000.Y)	JROTC 4 (9043.R000.Y)
Crockett				
Architecture/ Construction (Construction Technology)	Principles of Construction (8161.RC0C.Y) Grades 9-10	Construction Technology 1 (8198.HT1C.Y) (2 credits) Grades 10-11	"Construction Technology 2" (8204.HT1C.Y) (2 credits) Grades 11-12	"Practicum in Construction Technology 1" (8242.HA0C.Y) (2 credits) Grade 12
Transportation (Auto Service)	Automotive Basics (8777.HT0C.Y) Grades 10-11	Automotive Technology 1 – Maintenance & Light Repair (8780.HT0C.Y) (2 credits) Grades 11-12	"Automotive Technology 2 – Auto Service" (8782.HA0C.Y) (2 credits) Grade 12	
Transportation, Distribution, Logistics (Collision Repair)	Basic Collision Repair (8787.HT0C.Y) Grade 19	Collision Repair (8788.RC0C.Y) (2 credits) Grades 11-12	"Paint and Refinishing" (8790.HA0C.Y) (2 credits) Grade 12	
Human Services (Cosmetology)	Intro to Cosmetology (8502.RC0C.Y) Grade 10	Cosmetology 1 w/Lab (8508.RC0C.Y) (3 credits) AND <u>If Biology and 2nd science credit requirements met:</u> "Anatomy & Physiology" (8426.HC0C.Y) Grades 11-12	"Cosmetology 2 w/ Lab" (8514.HA0C.Y) (3 credits) Grade 12	
Travis				
Hospitality and Tourism (Culinary Arts)	Principles of Hospitality & Tourism (8446.RC0C.Y) Grades 9-10	Culinary Arts (8454.HT0C.Y) (2 credits) Grade 10	"Practicum in Culinary Arts 1" (8456.HA0C.Y) (2 credits) Grades 11-12	Career Preparation 1 8900.HA0C.Y (2 credits) Grade 12
Hospitality and Tourism (Travel and Tourism)	Principles of Hospitality & Tourism (8446.RC0C.Y) Grades 9-10	"Hospitality Services" (8462.HT1C.Y) (2 credits) Grades 10-11	"Practicum in Hospitality Services" (8468.HA0C.Y) (2 credits) Grades 11-12	Career Preparation 1 8900.HA0C.Y (2 credits) Grade 12
Health Science (Therapeutic Services)	Principles of Health Science (8400.RC0C.Y) Grades 9-10	Medical Terminology (8402.RC0C.Y) Grades 10-11	<u>If Biology and Principles of Health Science requirements met:</u> Health Science Theory (8404.RC0C.Y) Grade 11 AND <u>Recommended:</u> "Anatomy & Physiology" (8426.HC0C.Y) Grades 11-12	"Practicum in Health Science 1 – Clinical" (8407.HA0C.Y) (2 credits) Grade 12 OR "Practicum in Health Science 2 – EMT" (8412.HA0C.Y) (2 credits) Grade 12
Law, Public Safety (Law Enforcement)	Principles of Law, Public Safety, Corrections & Security (8572.HT1C.Y) Grades 9-10	Law Enforcement I (8574.HT0C.Y) Grades 10-11	<u>If Biology and Chemistry requirements met:</u> "Forensic Science" (8582.HA0C.Y) Grades 11-12	"Court Systems & Practices" (8584.HT1C.Y) Grades 11-12
Information Technology (Programming / Software Development)	Digital Media (8548.HT0C.Y) Grades 9-10	Computer Programming 1 (8542.HT0C.Y) Grades 10-11	Video Game Design (8316.RC0C.Y) Grade 11	"Computer Programming 2" (8544.HA0C.Y) Grade 12

Note: Endorsement requires completion of 4 credits from one of the following career pathways.

** All courses are offered for one credit unless otherwise noted.

"Courses in quotation" count as advanced courses in the career pathway selected for an endorsement.

Professional Communications is suggested if students cannot schedule into required course. The required course still needs to be taken in sequential order.

The Austin Independent School District offers career and technical education sequences of coursework based on the sixteen federally defined Career Clusters. Admission to these courses is based on interest and aptitude, age appropriateness, and class space availability. It is the policy of the Austin Independent School District not to discriminate on the basis of race, color, national origin, sex, or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendment of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.