

2017-2018 | SOUTHWEST APPLIED TECHNOLOGY COLLEGE HIGH SCHOOL COURSES

Visit swatc.edu/highschool for details on course descriptions, fees, prerequisites, and availability.



All high school courses are provided tuition free. However, each course has associated fees, books, or other costs. See swatc.edu/highschool for details.

COMPUTER SCIENCE

COURSE NAME	BRIEF DESCRIPTION	GRADES	DURATION	
A+ Computer Maintenance	Basics of PC hardware and operating systems, including hands-on projects and labs.	9-12	ALL YEAR	★
Computer Programming I (C++)	Learn fundamentals of computer programming theory, programming practices, and C++ code.	9-12	ALL YEAR	★
Network+	Learn how to install, configure, and troubleshoot a computer network.	10-12	ALL YEAR	★
Security Fundamentals	Design security solutions to effectively combat hackers, attacks and security threats.	10-12	ALL YEAR	★
Linux Fundamentals	Learn how to operate Linux, the widely-used open source and cross-platform operating system.	10-12	ALL YEAR	★

HEALTH PROFESSIONS

COURSE NAME	BRIEF DESCRIPTION	GRADES	DURATION	
Intro to Health Science	Introduction to healthcare industry and beginning anatomy & physiology.	9-12	SM1 or SM2	
Emergency Medical Responder	Upon successful completion, students receive certification in Professional CPR and Emergency Response from the American Red Cross.	9-12	SM1 or SM2	
Anatomy & Physiology	This course covers the anatomy and physiology of the human body.	10-12	SM1 or SM2	★
Medical Terminology	Provides the student with skills necessary to interpret and understand medical terminology.	10-12	SM1 or SM2	★
Medical Anatomy & Physiology	Intermediate anatomy & physiology, medical terminology, medical ethics, diseases and disorders.	10-12	ALL YEAR	★
Exercise Science/Sports Medicine	Instruction includes variety of exercise science and sports medicine topics such as injury prevention principles, rehabilitation techniques, sport nutrition, sport psychology, and more.	11-12	ALL YEAR	
Biotechnology (Introduction to Clinical Lab)	This course introduces students to laboratory science.	(AGE 16+)	SM1	
Nurse Assistant (CNA)	Prepares the student for the profession of Certified Nursing Assistant (CNA).	(AGE 17+)	SM1 or SM2	★
Phlebotomy	This course prepares students for a career in phlebotomy, or drawing blood from patients.	(AGE 17+)	SM2	★
Medical Clinical Assistant	Pathway course offering high school students a start in the Medical Assistant program that prepares students for an entry level position in a doctor's office, clinic, or other healthcare facility.	(AGE 17+)	ALL YEAR	★
EMT - Emergency Medical Technician (NEW)	Prepares students for licensure as an Emergency Medical Technician (EMT). Course consists of 190 hours of classroom and a 24 hour practicum with Gold Cross Ambulance.	(AGE 17+)	ALL YEAR	★

(More courses on back)

★ = Course provides credit towards a SWATC certificate program.

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PROTECTIVE SERVICES

COURSE NAME	BRIEF DESCRIPTION	GRADES	DURATION
Law Enforcement	Consists of coursework in general law enforcement principles including crime awareness, legal issues, the causes of crime, juvenile justice, and the laws of arrest / search / seizures.	10-12	SM1 or SM2

TRADES AND INDUSTRY

COURSE NAME	BRIEF DESCRIPTION	GRADES	DURATION
Industrial Robotics and Manufacturing	Prepares students to perform a wide variety of electrical, automation, design, programming, trouble shooting and repair tasks that are critical to the modern, automated manufacturing environment.	10-12	ALL YEAR ★
Introduction to Automotive	Course is designed to help the student gain entry-level automotive service skills.	9-12	SM1 or SM2 ★
ASE Engine Performance	Engine performance course that helps the student gain higher level automotive service skills, and begins to prepare the student to pass the National ASE examinations.	10-12	ALL YEAR ★
ASE Engine MLR	Helps the student gain higher level automotive service skills, and begins to prepare the student to pass the National ASE examinations.	10-12	ALL YEAR ★
Welding Technician - Entry Level	Provide academic instruction and practical experience with welding safety, blueprint reading, shop mathematics, shielded metal arc welding, gas metal arc welding and oxyfuel cutting.	9-12	SM1 or SM2 ★
Welding Technician - Intrm Level	Program for students seriously considering a career in welding, an allied trade or career where welding will be used in addition to other required skills.	10-12	ALL YEAR ★
Sheet Metal (Aerospace Pathway)	This course is the second half of the Utah Aerospace Pathway. Students must take Manufacturing Principles 1 during first semester and Sheet Metal second semester to complete the pathway.	11-12	SM2
Construction Trades Foundation	Student will learn and practice basic safety skills, math skills, hand tools, power tools, read blueprints, and basic rigging techniques.	9-12	SM1 or SM2
Carpentry I	Orientation to the carpentry trade, including use of wood building materials, flooring, walls and ceilings, roofing, windows, doors, drywall, and finishing.	10-12	SM1
Carpentry II	Continued orientation to the carpentry trade, including use of wood building materials, flooring, walls and ceilings, roofing, windows, doors, drywall, and finishing.	10-12	SM2

CULINARY ARTS

COURSE NAME	BRIEF DESCRIPTION	GRADES	DURATION
Food Service/Culinary Arts	For students concurrently enrolled in ProStart. Development of fundamental cooking skills and techniques, taking what the students have learned in ProStart, putting it to practical use as well as learning advanced techniques.	11-12	ALL YEAR ★

BUSINESS - FINANCIAL SERVICES

COURSE NAME	BRIEF DESCRIPTION	GRADES	DURATION
Customer Service - Banking (NEW)	Prepares students for entry level employment in financial institutions. Students will learn core banking functions and procedures, ethics, critical customer service techniques, including externship experience.	11-12	SM2

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