COLLEGE, CAREER *and* **MILITARY READINESS**

SAN ANTONIO INDEPENDENT SCHOOL DISTRICT

Sam Houston Program of Study

* Indicates recommended certification level

Business & Industry Endorsement					
Business Management Pathway					
Enrollment Requirements - limited by the number of devices in your lab.					
Level	Course #	Course Title	Pre-Req	Grade	Credit
Level 1	7301	Principles of Business	None	9-11	1.0
Level 1	7302	Business Information Management I *	None	9-12	1.0
Level 2	7304	Business Information Management II *	BIM I	10-12	1.0
Level 4	7312	Practicum in Business Management	None	11-12	2.0
Level 4	7949	Career Preparation for Programs of Study	At least 1 Level 2 or higher CTE course	12	2.0
IBC		Microsoft Word or Excel Expert			

Business & Industry Endorsement					
Construction Management					
Level	Course #	Course Title	Pre-Req	Grade	Credit
Level 1	7143	Principles of Construction	None	9-10	1.0
Level 2	7125	Construction Management I *	None	10	2.0
Level 3	7126	Construction Management II *	Construction Management I	11	2.0
Level 4	7127	Practicum in Construction Management	Construction Management II	12	2.0
Level 4	7949	Career Preparation for Programs of Study	At least 1 Level 2 or higher CTE course	12	2.0
IBC		NCCER Core Certification			

Public Service Endorsement				
Cosmetology				
Enrollment Requirements - Per TDLR State Requirements, enrollment cannot exceed 25 students per course, and students MUST have a TDLR permit ($25) to enter the room.				
Level	Course #	Course Title	Pre-Req	Grade	Credit
Level 2	7474	Introduction to Cosmetology	None	10	1.0
Level 3	7484	Cosmetology I & Lab	None	11	3.0
Level 4	7478	Cosmetology II & Lab*	Cosmetology I	12	3.0
Level 4	7949	Career Preparation for Programs of Study	At least 1 Level 2 or higher CTE course	12	2.0
IBC	[Cosmetology Operator License](#) - Certification Flowchart				

Business & Industry Endorsement				
Culinary Pathway				
Enrollment Requirements - For safety reasons, enrollment cannot exceed 25 students per course.				
Level	Course #	Course Title	Pre-Req	Grade	Credit
Level 1	7436	Intro to Culinary Arts	None	9-12	1.0
Level 2	7427	Culinary Arts	None	10-12	2.0
Level 3	7428	Advanced Culinary Arts*	Culinary Arts	10-12	2.0
Level 4	7429	Practicum in Culinary Arts	Culinary Arts	11-12	2.0
Level 4	7949	Career Preparation for Programs of Study	At least 1 Level 2 or higher CTE course	12	2.0
IBC	ServSafe Manager OR Food Protection Manager				

STEM Endorsement				
Cybersecurity Pathway - P-Tech Enrollment Required				
Level	Course #	Course Title	Pre-Req	Grade	Credit
Level 1	7729	Foundations of Cyber	None	9	1.0
Level 2	7708	Computer Maintenance	None	10	1.0
Level 3	7716	Networking *	None	10	1.0
Level 2	7718	Internetworking Technologies I	None	11	1.0
Level 4	7707	Practicum of IT *	2 HC IT Courses	11	2.0
Level 3	7727	Internetworking Technologies II	Internetworking Tech I	12	1.0
Level 3	2708	Digital Forensics	None	12	1.0
Level 4	7728	Practicum of IT Second time taken	2 HC IT Courses	12	2.0
Level 4	7971	Career and Technical Education Project-Based Capstone	None	12	1.0
Level 4	7949	Career Preparation for Programs of Study	At least 1 Level 2 or higher CTE course	12	2.0
IBC	Comp TIA IT Fundamentals or NOCTI Cybersecurity				

STEM Endorsement					
Engineering Foundations - PLTW					
Level	Course #	Course Title	Pre-Req	Grade	Credit
Level 1	7855	Introduction to Engineering Design (PLTW)	None	9	1.0
Level 3	7856	Engineering Science	Alg. I, Biology, Chemistry, Physics, and at least one credit from the STEM Pathway	10	1.0
Level 3	7853	Digital Electronics	Alg. I and Geometry	11	1.0
Level 4	7841	Practicum in STEM *	Alg. I and Geometry	12	2.0
Level 4	7971	Career and Technical Education Project-Based Capstone	None	12	1.0
Level 4	7949	Career Preparation for Programs of Study	At least 1 Level 2 or higher CTE course	12	2.0
IBC		AutoDesk/AutoCAD Certification			

STEM Endorsement					
Engineering Foundations 25-26					
Level	Course #	Course Title	Pre-Req	Grade	Credit
Level 1	7855	Introduction to Engineering Design (PLTW)	None	9	1.0
Level 3	7852	Engineering Design and Presentation I *	Alg. I	10	1.0
Level 3	7853	Digital Electronics	Alg I and Geometry	11	1.0
Level 4	7841	Practicum in STEM *	Alg I and Geometry	12	2.0
Level 4	7971	Career and Technical Education Project-Based Capstone	None	12	1.0
Level 4	7949	Career Preparation for Programs of Study	At least 1 Level 2 or higher CTE course	12	2.0
IBC		Auto Desk Inventor or AutoCAD			

Public Service Endorsement					
Diagnostic & Therapeutic Services					
Level	Course #	Course Title	Pre-Req	Grade	Credit
Level 1	7600	Principles of Health Science	None	9-10	1.0
Level 2	7605	Medical Terminology	None	9-12	1.0
Level 3	7601	Health Science Theory	Biology	10-12	1.0
Level 4	7603	Practicum in Health Science *	HS Theory & Biology	11-12	2.0
Level 4	7949	Career Preparation for Programs of Study	At least 1 Level 2 or higher CTE course	12	2.0
IBC		[Medical Assistant](#) - Certification Flowchart			

Public Service Endorsement					
Law Enforcement					
Level	Course #	Course Title	Pre-Req	Grade	Credit
Level 1	7532	Principles of Law	None	9-12	1.0
Level 2	7534	Law Enforcement I	None	10-12	1.0
Level 2	7544	Criminal Investigation (optional)	None	10-12	1.0
Level 3	7536	Law Enforcement II *	None	10-12	1.0
Level 4	7541	Practicum in Law	None	11-12	2.0
Level 4	7949	Career Preparation for Programs of Study	At least 1 Level 2 or higher CTE course	12	2.0
IBC		[Non-Commissioned Private Security](#) - Certification Flowchart			