

Technology Education Cluster Programs

A CTE cluster must offer 3 of the 5 program areas in a given year.

A CTE cluster must give the WRA 10 12th graders who have had at least two semesters of CTE courses.



TECHNOLOGY EDUCATION—CLUSTER PROGRAMS

PROGRAM AREAS	Arts, AV Tech & Communication	Architecture & Construction			Manufacturing	Power, Energy, and Transportation	Science, Technology, Engineering, and Mathematics	
Introductory	Communication Systems I 110010	Introduction to Cabinetry 170070	Introduction to Drafting/Design Technology 211020	Construction Systems I 170020	Manufacturing Systems I 130020	Power, Energy, and Transportation Systems 201010	Fundamentals of Engineering 210030	
Intermediate	Communication Systems II 110020	Advanced Cabinetry 170074	Introduction to Arch. Design 211030	Construction Systems II 170021	Manufacturing Systems II 130021	Power, Energy, and Transportation Systems II 201011	Robotics Applications 210091	Intro to Electronics Technologies 171060
	Video Editing Technology 110552		Introduction to Mech. Drafting/Design 211063				Introduction to Robotics 210092	Electronic Applications 171061
	Digital Imaging Technology 111535						Robotics & Automation 210093	

PROGRAM AREAS	Project Lead The Way (PLTW) & Computer Science			
Introductory	PLTW Computer Science Essentials 100130		Computer Science I 100190	
Intermediate	PLTW Computer Science A 100140	PLTW Computer Science Principles 100150	Computer Science II 100191	Computer Science III 100192
	PLTW Cybersecurity 100160		Computer Science Advanced Studies 100470	

PROGRAM OF STUDY: TECHNOLOGY EDUCATION CLUSTER

Program Requirements

Approved Assessments:

Workplace Readiness Assessment

Endorsements:

9400 Computer Science (6-12)

9401 Engineering (6-12)

9981 Technology Education (6-12)

Advanced Opportunities:

AutoDesk AutoCAD Certified User

AutoDesk Inventor Certified User

AutoDesk Revit Architecture Certified User Exam

SolidWorks Certified Associate

Career and Technical Student Organization: Technology Student Association (TSA)

Website: idahotsa.com

Mission: Leadership and opportunities in technology, innovation, design and engineering. Members apply STEM concepts through intracurricular programs.

CTSO Manager: [Andrew Armstrong](#)

State Advisor: [Justin Touchstone](#)

