

Construction, Architecture, and Design Career Pathway  
**CAD/Design Career Major Program Outline**

Course	Grade	Teacher Certification	Credits	Content
<b>Foundational Courses</b>				
CTE Foundations: Construction Rotation	9	Commercial Art & CAD	1 CTE	Pathway and career exposure Understanding shop and job safety Identification, selection, care, and use of basic tools used in the CADD pathway Understanding Basic Plans, Shop Drawings, and blueprints Career Research Literacy and Mathematics Development Closely follow directions
Introduction to Construction and Design	10	Commercial Art & CAD	2 CTE	Career and College research of the Architecture and Interior Design industry The Elements and Principles of Design and Architecture Basics of color theory & light Architectural history and design specifics Basics of architecture and interior design materials and finishes The design process & manual drafting Professional presentation practices
<b>Career Major Courses: CAD/Design</b>				
CAD I	11	Commercial Art & CAD	2 CTE	Professional Documents/ employability documents: website, logo development Programming and planning residential space Math and Measurement Basics/Review of Hand drafting/ construction documents/perspective Architectural and interior design history Hand drafting and Computer Aided Drafting software Environmental concerns & codes, energy conservation Budget and materials Professional presentation/public speaking
CAD II	11/12	Commercial Art & CAD	2 CTE	Professional documents/ employability profiles, website update and Logo Advanced architectural and interior design history Advanced hand drafting and technical drafting Programming and planning commercial spaces Lighting and architectural systems Real world projects, cooperative job opportunities, and internships Furniture, furnishing, equipment specifications Advanced portfolio development