



Priority Standards

Architecture and Construction Cluster Standards – Grades 9-12

The table below identifies the cluster standards specific to the Architecture and Construction Career Cluster – the collection of Construction and Design Pathway courses. These are the skills students are expected to acquire as they complete courses in this pathway.

Priority Standards	Description – All Strands
AC 1	Use vocabulary, symbols, and formulas commonly used in design and construction.
AC 2	Use architecture and construction skills to create and manage a project.
AC 3	Comply with regulations and applicable codes to establish and manage a legal and safe workplace/jobsite.
AC 4	Understand the nature and scope of the Architecture & Construction Cluster and the role architecture and construction play in society and the economy.
AC 5	Understand the roles and responsibilities among trades and professions including labor/management relationships.
AC 6	Read, interpret, and use technical drawings, documents and specifications to plan a project.
AC 7	Evaluate a wide range of career pathway opportunities for success in architecture and construction careers.

Priority Standards	Description – Construction Strand
AC-CST 1	Understand contractual relations with all parties involved in the building process to ensure successful build of a project.
AC-CST 2	Understand approval procedures to ensure effective flow of information in the construction process.
AC-CST 3	Understand and implement testing and inspection procedures to ensure successful completion of a construction project.
AC-CST 4	Understand the purpose of scheduling as it relates to the successful completion of a construction project.
AC-CST 5	Understand and apply practices and procedures required to maintain jobsite safety.
AC-CST 6	Manage relationships with internal and external parties to successfully complete construction projects.

AC-CST 7	Compare and contrast the building systems and components.
AC-CST 8	Demonstrate the construction crafts required for each phase of a given project.
AC-CST 9	Safely use and maintain appropriate tools, machinery, equipment, and resources to accomplish construction project goals.

Priority Standards	Description – Design Strand
AC-DES 1	Justify design solutions through the use of research documentation and analysis of data.
AC-DES 2	Use effective communication skills and strategies (listening, speaking, reading, writing, and graphic communications) to work with clients and colleagues.
AC-DES 3	Understand the integral systems that impact the design of buildings and structures.
AC-DES 4	Apply building code, laws, and rules in the design and construction of projects.
AC-DES 5	Identify the diversity of needs, values, and social patterns in project design, including accessibility standards, to appropriately meet client needs.
AC-DES 6	Apply the techniques and skills of modern drafting, design, engineering, and construction to projects.
AC-DES 7	Employ appropriate representational media to communicate concepts and design.
AC-DES 8	Apply principles, conventions, standards, applications, and restrictions pertaining to the selection and use of construction materials, components and assemblies for project design.