

ARCHITECTURAL DESIGN

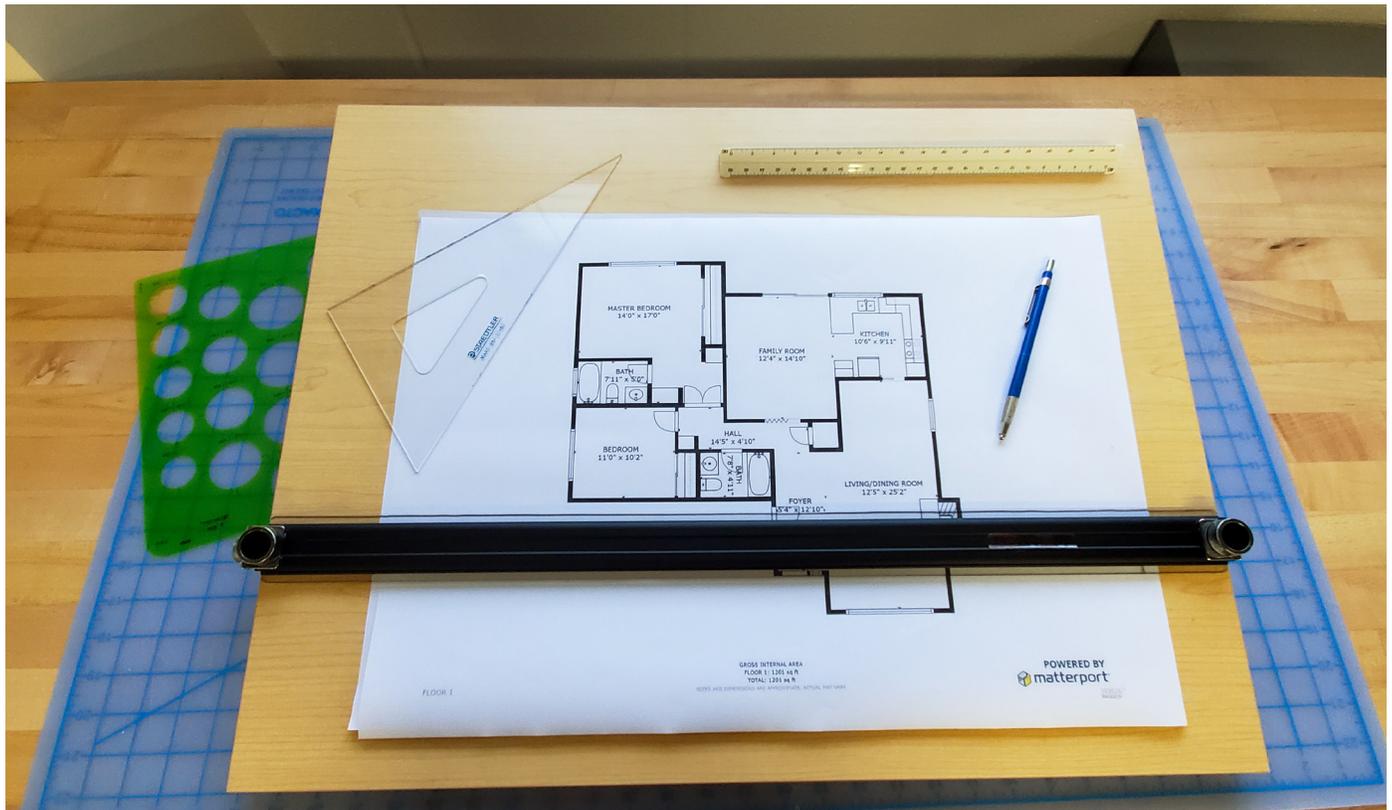
CAREER CLUSTER: ARCHITECTURE & CONSTRUCTION

STATEWIDE PROGRAM OF STUDY: ARCHITECTURAL DRAFTING & DESIGN

Course	Credits	Class Periods	Grade	Location
Architectural Design I	1.0	1	10-12	Home Campus
Architectural Design II <i>Prerequisites: Architectural Design I and Geometry</i>	2.0	2	11-12	MCTC
Practicum in Architectural Design <i>Prerequisite: Architectural Design II</i>	2.0	2	12	MCTC

CERTIFICATION OPPORTUNITIES

- Auto Desk Certified User
- Auto Desk Associate Revit



8030V ARCHITECTURAL DESIGN II

Grades: 11-12 2 Credits

Prerequisite: Architectural Design I and Geometry

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This course provides an understanding of the architectural process including project research/programming, conceptual and schematic design, design development and material selection. Students will learn the fundamentals of design history, techniques and tools related to presentation and production drawings, renderings, and scaled models for residential architecture.

8001V PRACTICUM IN ARCHITECTURAL DESIGN

Grade: 12 2 Credits

Prerequisite: Architectural Design II

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This course builds upon architectural design foundations and increases understanding of the overall process in a classroom and workplace environment. Major emphasis is placed on projects as they relate to the business world, including its process, key definitions, budgets, schedules, and presentations. Projects are team-based involving cross-functional disciplines (engineering, project management) to derive cohesive solutions. Students may have the opportunity to gain field experience through field trips, guest speakers and job shadowing.

PROGRAM EXPERIENCES

Course experiences focus on real-life applications of architecture, both in lesson content and project work.

MCTC provides a fun but realistic familiarity for students with the requirements, time commitment, and dedication it takes to pursue a career in architecture.

Once these courses are completed, students should be able to make a sound and educated decision regarding their future careers in this industry.

CAREER POSSIBILITIES

- Building Code Writer
- Civil Engineer
- Full-Building Designer
- Historical Preservationist
- Interior Designer
- Project Manager
- Structural Engineer

EXPECTATIONS OF STUDENTS

- Maintain self-motivation
- Demonstrate the ability to be a flexible team player
- Demonstrate excellent verbal and written communication skills
- Exhibit a willingness to share creative ideas

