

Marietta College & Career Academy - Architecture Course Schedule

Introduction to Pre-Engineering & Pre-Architecture (Intr. to Drafting & Design) – 2 semesters.

Introduction to Pre-Engineering and Pre-Architecture is a foundation course that serves as an introduction to the drafting and design field and is a prerequisite to all other courses in the Pre-Architectural pathway. Emphasis is placed on safety, geometric construction, fundamentals of Computer-Aided Drafting, and multi-view drawings. Students learn drafting techniques through the study of geometric construction at which time they are introduced to computer-aided drafting and design. The standards are aligned with the drafting and design standards in the Georgia's technical colleges, thus helping students qualify for advanced placement should they continue their education at the postsecondary level.

Pre-Architecture II (Architect. Drawing & Design I) – 2 semesters.

Prerequisite: Intro to Pre-Engineering & Pre-Architecture/Intro to Engineering Drawing/IDD

Pre-Architecture II introduces students to the basic terminology, concepts, and principles of architectural design. Emphasis is placed on house designs, floor plans, roof designs, elevations (interior and exterior), schedules, and foundations. The standards are aligned with the drafting and design standards in Georgia's technical colleges, thus helping students qualify for advanced placement should they continue their education at the postsecondary level. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Students who successfully complete this and other drafting courses should be prepared to take the Drafter Certification Examination from the ADDA.

Pre-Architecture III (Architect. Drawing & Design II) – 2 semesters.

Prerequisite: Intro to Pre-Engineering & Pre-Architecture/Intro to Engineering Drawing/IDD and Pre-Architecture II/Architectural Drawing and Design

Pre-Architecture III builds on the skills developed in Pre-Architecture II. Emphasis is placed on schedules, plumbing, heating and air, graphic presentations, plot/site plans, specifications, and building estimations using CAD tools and software throughout the course. The standards are aligned with the drafting and design standards in Georgia's technical colleges, thus helping students qualify for advanced placement should they continue their education at the postsecondary level. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Students who successfully complete this and other drafting courses should be prepared to take the Drafter Certification Examination from the ADDA. Competencies for the co-curricular student organization, Skills USA, are integral components of both the core employability skills standards and the technical skills standards.