

AEC 164 : Residential Planning and Design

Credits: 3

Class Hours: 3 lecture

Prerequisites: "C" or higher in AEC 101. "C" or higher or concurrent enrollment in AEC 110.

Description: This course addresses residential design fundamentals and design development. The application of AEC 101 and AEC 110 techniques contribute to preliminary board designs of increasing complexity. This course includes architectural design concepts, study models and principles, application of architectural software, rendering, and group and juried presentations.

Semester Offered: Spring

Course Student Learning Outcomes (CSLOs):

1. Describe and apply reasonable space requirements, code restrictions, site and building orientation constraints, and room proximity standards towards the development of a residential design.
2. Use the AutoCAD® and SketchUp® computer programs (or similar programs) to develop and finalize an architectural design.
3. Clearly and adequately explain a design presentation to other groups. Fairly and objectively critique the designs and presentations of others.
4. Report to a workplace regularly and punctually. Engage effectively and congenially with peers and supervisors. Work from written, as well as oral instructions, and use assigned time efficiently to meet production deadlines.
5. Demonstrate oral and written communication, computation, and problem-solving skills appropriate to the level of the coursework.
6. Explain and demonstrate the building design process.