

**Western Dakota Technical Institute
800 Mickelson Drive
Rapid City, SD 57703-4018**

Master Syllabus

Course Number: CAD 240
Course Name: 3D Architectural Design
Credits: 3
Contact Hours: 1 Lecture; 4 Lab

Course Description: This course continues the application of architectural design concepts and adapts them to the use of 3D Building Information Modeling (BIM). Students will apply their acquired skills and knowledge toward the development of functional designs and construction documents using the latest version of the appropriate 3D applications.

Prerequisites: CAD 255

Pre- or Co-requisites: CAD111

Textbook: <http://bookstore.wdt.edu>

Materials: Laptop, Backup storage device (disk or flash drive)

Student Learning Outcomes:

- Demonstrate an intermediate skill level with 3D design software.
- Develop architectural projects and functional construction documents.
- Relate acquired architectural knowledge to the application of current BIM concepts and practices.

Assessment: Students' life skills, communication skills, analytical skills, technology skills, teamwork techniques, and employability will be assessed throughout this course.

ADA Accommodations: Students Rights to Assistance or Accommodations: If you have a documented disability for which you are or may be requesting accommodations, you should contact your instructor and the Disability Coordinator as early as possible in the semester.

Notice of Non-Discrimination: Western Dakota Technical Institute does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Disability Coordinator.