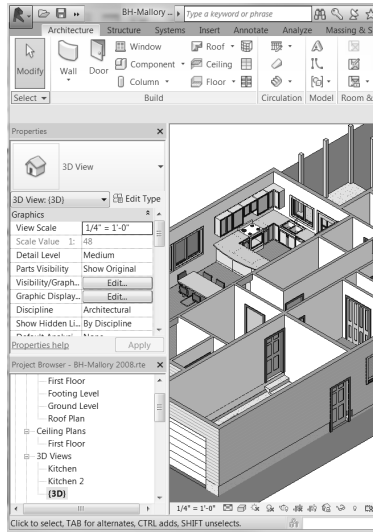


ARCHITECTURE

“Architecture has to do with planning, designing and constructing form, space and ambience to reflect functional, technical, social, environmental and aesthetic considerations.” Wikipedia.

Questions? Speak to or Email Ms. Hite



SHOW ME THE MONEY...Careers linked to ARCHITECTURE

Architect and Interior Designers — Responsible for the design of a building. They work with the client to design spaces that are aesthetically pleasing, functional, and safe for the building occupants.

Landscape Architects — Similar to what architects do, but their focus is on the outdoor spaces.

Urban Designers — Whereas architecture focuses on individual buildings, urban design addresses the larger scale like groups of buildings, public spaces, neighborhoods, districts, and entire cities.

Civil Engineers — Deals with the design, construction, and maintenance of the physical and naturally built environment, including roads, bridges, canals, dams, and buildings.

Structural Engineers — Responsible for designing the building structure and calculating the forces placed on that structure.

Electrical / Low Voltage Engineers — Locates the electrical & data lines and connections to local utilities, and designs the lighting for the building and surrounding site.

Mechanical or HVAC Engineers — Designs the heating, ventilation and air conditioning systems in a building.

Construction Managers, Building Inspectors and Plan Examiners

What you will EXPERIENCE in ARCHITECTURE at Benson Tech?

Design and Documentation

- Learn the design process used by Architects and other design professionals.
- Learn the required documentation for a set of plans for approval by local government agencies. Includes site plans, floor plans, elevations, detailed sections.
- You are introduced to construction terminology and techniques.

Sketching and Rendering Techniques

- Although a lot of work is done of the computer these days, there are times when a computer is not available while working with clients, out in the field or when an idea spontaneously comes to mind.

Making Connections & Practical Experience

- Introduction to industry professionals through guest lectures, field trips and design critics.
- You will have an opportunity to work with the design professionals assigned to the Benson Remodel project.

Computer Software Used in the Industry

- AutoCAD — Used by millions of people in Architecture and Engineering world-wide.
- Revit – A program used to create a 3D model and construction document for a building design.
- Sketch-Up – A modeling program used to create presentation drawings for clients. You can download a free version of the program at www.sketchup.com.

Team Projects and Presentations

- No one in Architecture works alone. Every project you see under construction was designed by a team of professionals working together.
- You will work on short and long term projects including the Benson House which could to be constructed by Benson's Building Construction Major.

College Credit

- You can earn between 12 to 20 credit hours from Portland Community College which can be transferred to a PCC program, other colleges and many Oregon universities.