

Tiny House

THE CHALLENGE

Described as “an experiment in self-contained small impact living,” tiny homes can provide freedom for those who embrace this lifestyle. This movement examines the lifestyles of those who search for self-sufficiency and minimalism in the form of making homes in small spaces. As the architect, you design the tiny home of your dreams by prioritizing your most important necessities and creature comforts. It’s time to think outside of the box!

SOFTWARE

Autodesk® Revit®

DESIGN FIELDS

Architecture

LEVEL

Beginner

DESIGN CRITERIA

- Maximum 400 sq. feet
- List of all materials to be used
- Front door
- Include windows
- Kitchen area
- Bathroom
- Roof
- Sleeping area

REVIT SKILLS:

- | | |
|--------------------------------|--------------------------------------|
| 1. User Interface | 10. View Control and View Types |
| 2. Create Walls | 11. Create Doors and Door Properties |
| 3. Modify Walls | 12. Modify Doors |
| 4. Drawing Windows | 13. Create Windows |
| 5. Navigation Control | 14. Modify Windows |
| 6. Project Files | 15. Create Roofs & Floors |
| 7. Open Existing Revit Drawing | 16. Roof Types |
| 8. Create a New Revit Project | 17. Modify Tools |
| 9. Save | 18. Snaps |

PRESENTATION REQUIREMENTS:

- Concept Sketches
- Printed AutoCAD drawing (front, rear and side elevations)
- Printed AutoCAD drawing (floor plan)
- 3D printed model (optional)