

Designing the Future

Architecture

What does an architect do?

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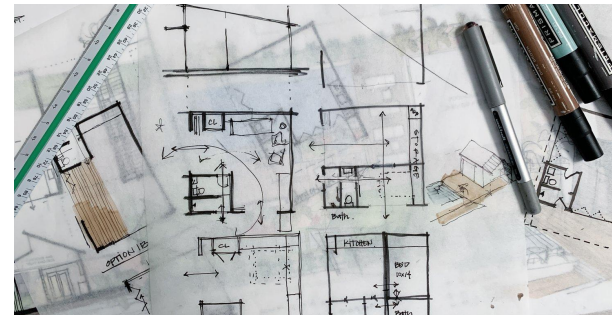


[Results](#)

What does an architect do?

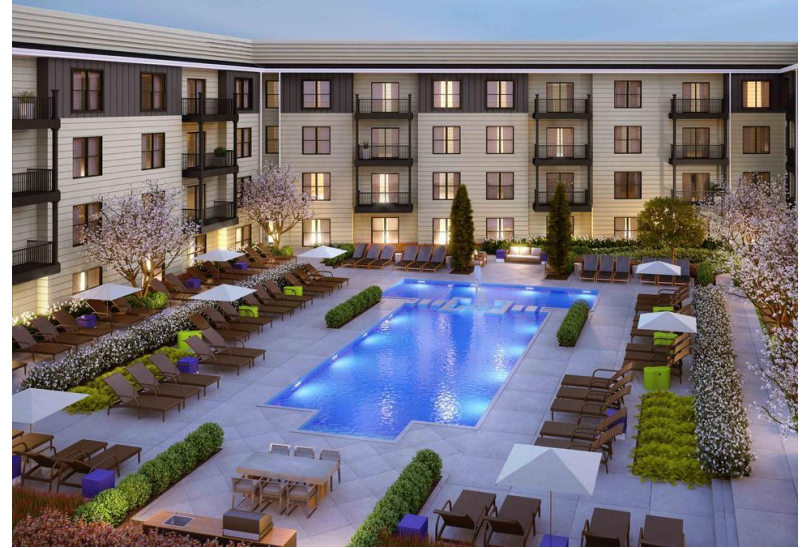
Design, plan, and supervise the construction of buildings and other physical structures.

- Meet with clients to determine objectives and requirements
- Prepare scaled 2-D drawings and 3-D models
- Give preliminary estimates on cost and construction time to clients
- Manage construction contracts for the project
- Visit worksites to oversee that construction adheres to plans



Types of architecture

Residential Architecture



Single family homes, townhouses, condominiums and apartment buildings.

Commercial Architecture



Office buildings, retail spaces, and hotels

Industrial Architecture



Buildings used in industrial and manufacturing processes

Interior Architecture



Design of interior spaces such as homes, offices, and retail spaces

Sustainable Architecture



Designs buildings with a focus on minimizing their environmental impact

Restoration Architecture



Preservation and restoration of historic buildings, monuments, and cultural heritage sites

Landscape Architecture



Design and planning of outdoor spaces, such as parks, gardens, and campuses

Urban Architecture



Plans for the development of cities, neighborhoods, and urban spaces, considering aspects such as infrastructure, transportation, and community development.

Pathway to become an architect

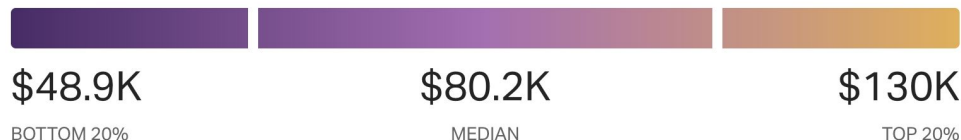
Education/training requirements

Steps to becoming an architect:

- Bachelor's degree in architecture (usually 5-year program)
- Paid internship (usually 3 years)
- Pass the Architect Registration Examination (required)



ncarb.org



Contemporary Architects

Modern Architects



DESIGN CHALLENGE

Design a home for the year 2053



1985
predicts
2015





Designing the Future

Architecture



**HASTINGS
& ASSOCIATES**
Architecture Firm

DESIGN CHALLENGE

Design a home for the year 2053

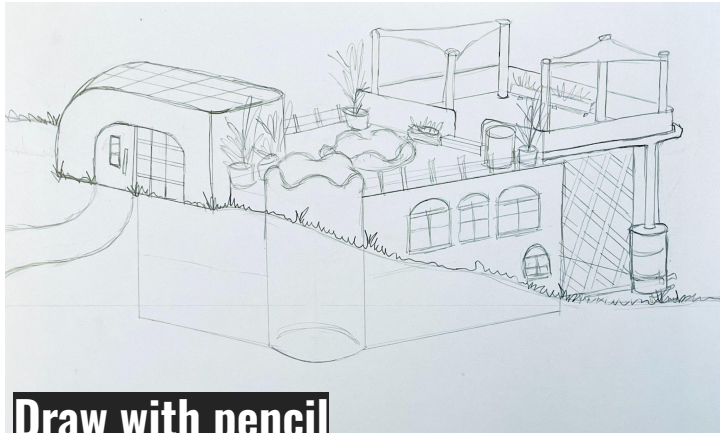


Elevation rendering

Drafter

2 views of the outside of your house showcasing features

- Pencil, marker, watercolor on paper or digital drawing



Draw with pencil



Color with marker/watercolor

Architectural model

Modeler

A 3-dimensional representation of a construction project



Architectural model

Modeler

3D model of one room in your house

- Recyclable materials and papers



Proposal and presentation

Class presentation with architecture brief, renderings, and model



GET CREATIVE!!



Design teams

Work together: brainstorm, listen, discuss, collaborate



Respect: no idea is bad if it's genuine, allow each member to share ideas

Support: Share the workload, everyone is an equal member

KNOW YOUR CLIENT

Who am I building for?

Family in 2053



Design considerations

Family size

How many adults? Kids? Pets?
Will your design have enough
room for everyone?

Interests

How can you incorporate their
interests into your design?

Climate

How will the climate they live in
affect your design?

The future of architecture?



2 Elevation
Renderings

1 Single
Room Model

**Creativity
over reality!**

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Architecture



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DESIGN CHALLENGE

Design a home for the year 2053



Presentations

Drafters/Modelers

2 views of the outside of your house showcasing features

- Pencil/marker on paper or digital drawing

3D model of one room in your house

- Recyclable materials and papers

Proposal and presentation

Use your Architectural brief as a guide for your presentation





Who is this house for?

What is your design idea?