



Explore Architecture



What is Architecture?



What is Architecture?

Architecture is the art and science of designing buildings and spaces where people live, work, learn, and heal.



What is Architecture?

Architects:

- Shape communities
- Protect public health, safety, and welfare
- Blend creativity with technical knowledge
- Solve complex, real-world problems

Architecture is a licensed profession similar to law or medicine.

What makes a Good Architect?

- Design Thinking
- STEAM Learning
- Sketching/Drawing
- Organization
- Public Speaking



WHAT IS DESIGN THINKING?

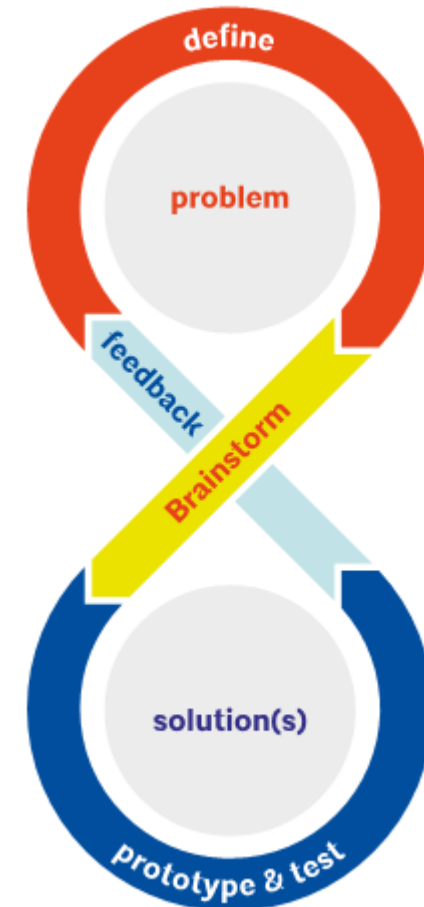
Who are you designing for?

What are you designing?

Design Ideas - Be Creative!

Does your idea work?

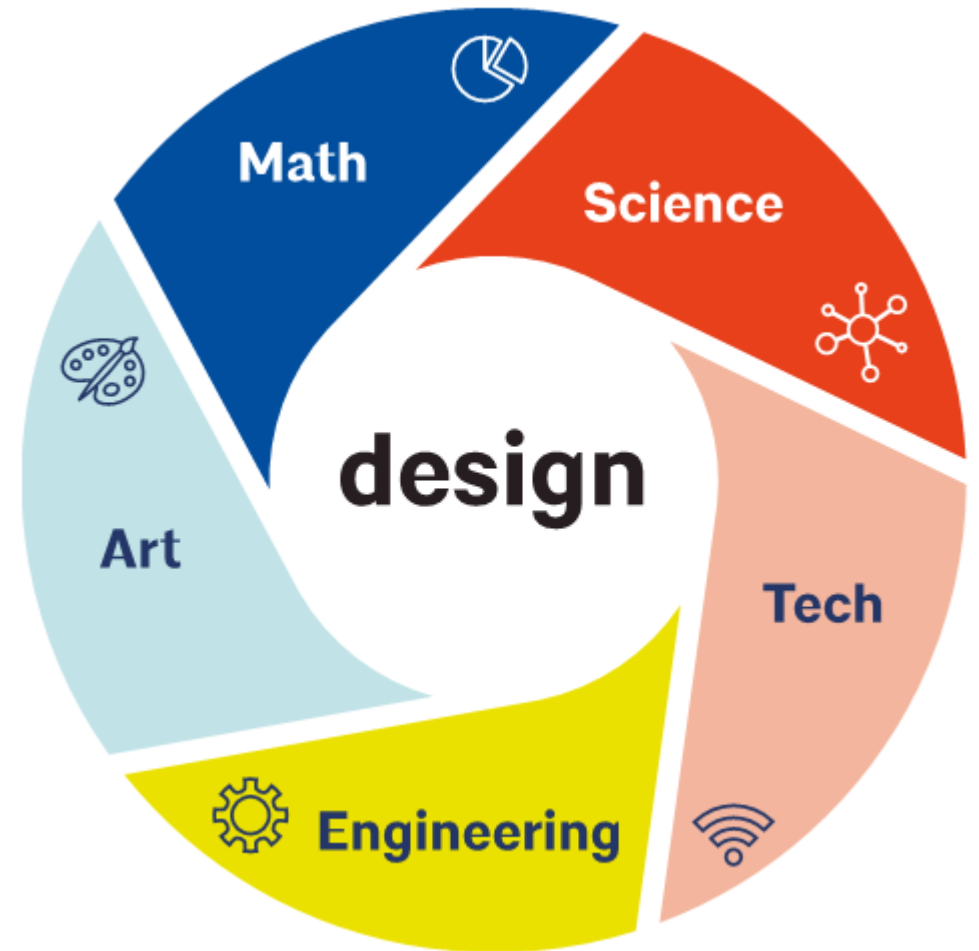
Allow yourself to try again



WHAT IS STEAM?

STEAM stands for **S**cience, **T**echnology, **E**ngineering, **A**rts and **M**athematics.

STEAM focuses on sparking imagination and creativity through the arts in ways that naturally align with STEM learning





**What kind of work
does an Architect do?**



Architecture is more than houses

Architects work on:

- Hospitals & Clinics
- Schools and Universities
- Government Buildings
- Commercial & Workplace
- Research Facilities

To name just a few...

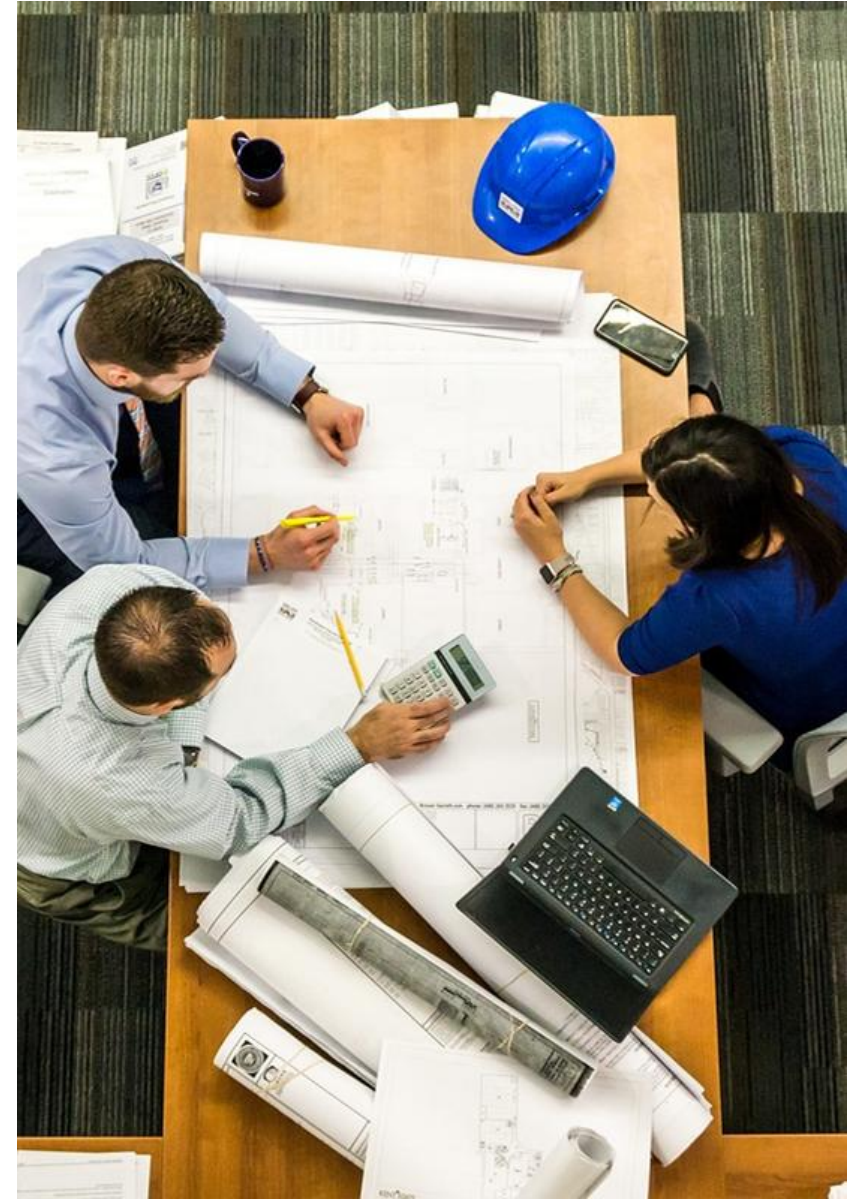


Day in the life of an Architect

Every day is different for an architect, and careers can be tailored to what you like

Daily tasks could include:

- Working with large teams
- 3D Modeling
- Design Presentations
- Site Visits
- Project Programming



Stages of Design



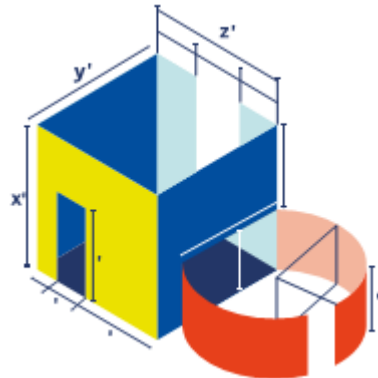
Programming



Schematic Design



Design Development



Construction Documents



Construction Administration

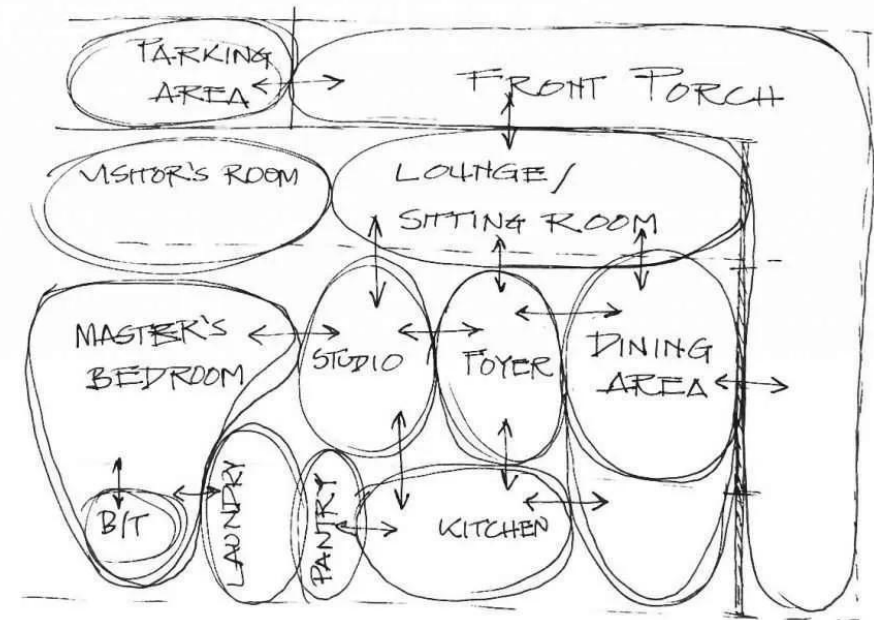




Programming

What are the spaces needed and how big do they need to be?

What are the client's goals, and what can we do to achieve them?



Think: Research, Gather Information, Summarize





Schematic Design, Design Development, and Construction Documents

How does the building get built?

This is the main part of any architecture project!



Think: Form, Function, Choices





STEP 5: CONSTRUCTION ADMINISTRATION



THE DESIGN IS DONE AND READY
TO BE BUILT

WE MAKE SURE THE BUILDING
MATCHES THE DRAWINGS



Think: Review, Observe, Build



Do you think you want to be an architect?

Are you:

- Curious and analytical?
- Visual thinkers?
- Detail-oriented?
- Someone who likes working on teams?
- Interested in how buildings are constructed?



**You do NOT need to be
exceptional artists**





What Should Students Take in School?

- Algebra, Geometry, Pre-Calculus
 - Physics
 - Art and Design electives
 - CAD, Engineering, or Technical Drawing courses
 - Public Speaking or Communication classes
- 



The Path to Become an Architect

There are three required components in the journey to become a licensed architect:

1. Education
2. Experience
3. Examination

All three are **required** for licensure.



#1 : Education

The most common first step in licensure is to attend a NAAB (National Architectural Accrediting Board) accredited school, and there are two common pathways:

Option 1:

5-Year Bachelor of
Architecture (B.Arch)
or
5-Year Masters of
Architecture (M.Arch)

Option 2:

4-Year Undergraduate
Degree +
2-Year Master of Architecture
(M.Arch)





**Both options lead to
the same outcome:
an accredited
professional degree**



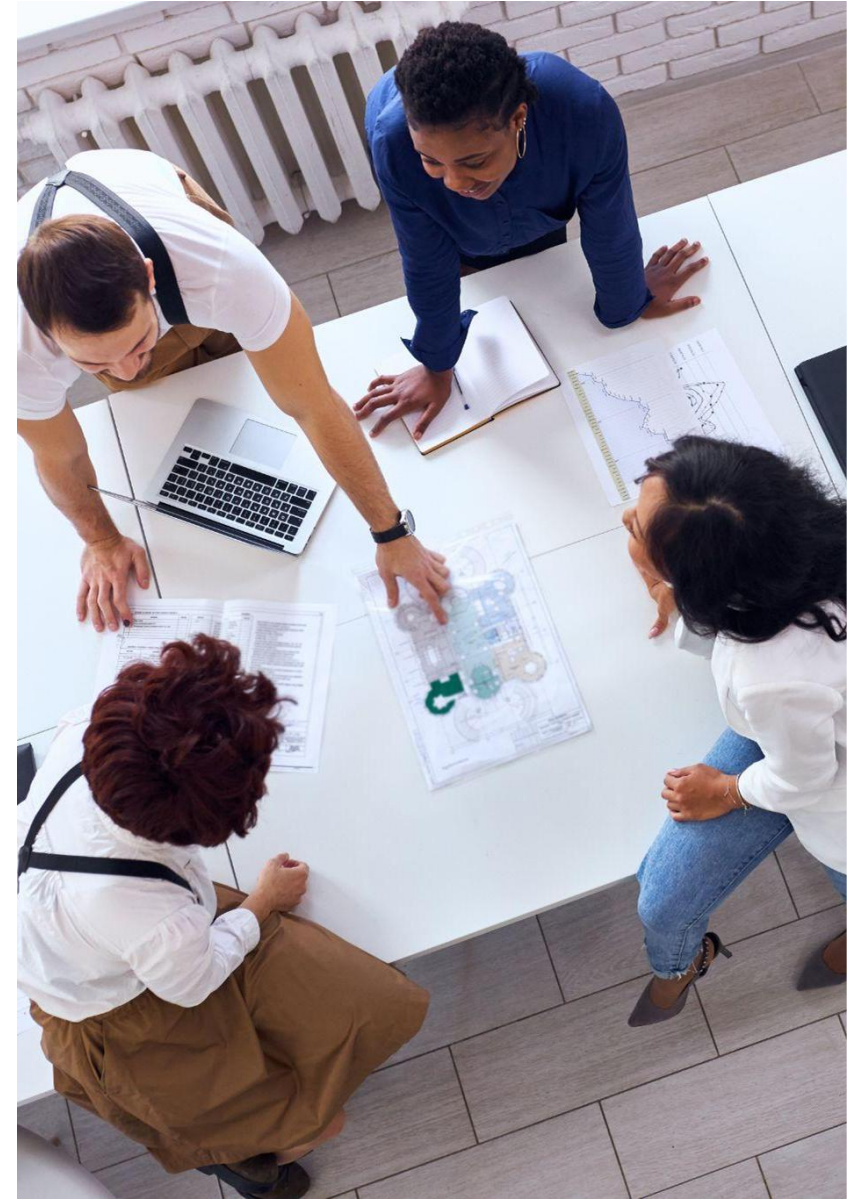
#2 : Experience (AXP)

In order to be licensed you must complete the Architectural Experience Program (AXP)

This includes:

- Documented professional hours
- Employment under a licensed architect

Students can begin earning experience while in school.



#3 : Examination (ARE)

Students must pass the Architect Registration Examination (ARE).

The ARE:

- Is a multi-division professional exam
- Tests knowledge of building systems, contracts, construction, and practice

Career Outlook & Salary

Architecture offers strong long-term career stability.

According to the AIA compensation calculator, the average salary for a new graduate in Kansas and Missouri is around \$63,000



WHAT CAN YOU DO NOW?

Be Curious!

Keep learning and asking questions.
Take classes in school that help you
think creatively

Explore!

Check out your city! Use our
guide on the AIA KC website to
learn more about the
architecture in and around the
city

Visit an Architect!

Tour buildings with them,
learn what their day to
day looks like



*Scan this QR code to
learn more about AIA
KC, the 17th largest
AIA chapter in the
United States!*

Closing

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Are you interested in learning more?

PLEASE CONTACT:

AIA Kansas City
education@aiakc.org
816.221.3485