

# Architects vs. Engineers

It is as simple as look @ one's characteristics



## LEFT BRAIN

PRECISE

MATHEMATICAL

SYSTEM  
BUILDER

THE ENGINEER



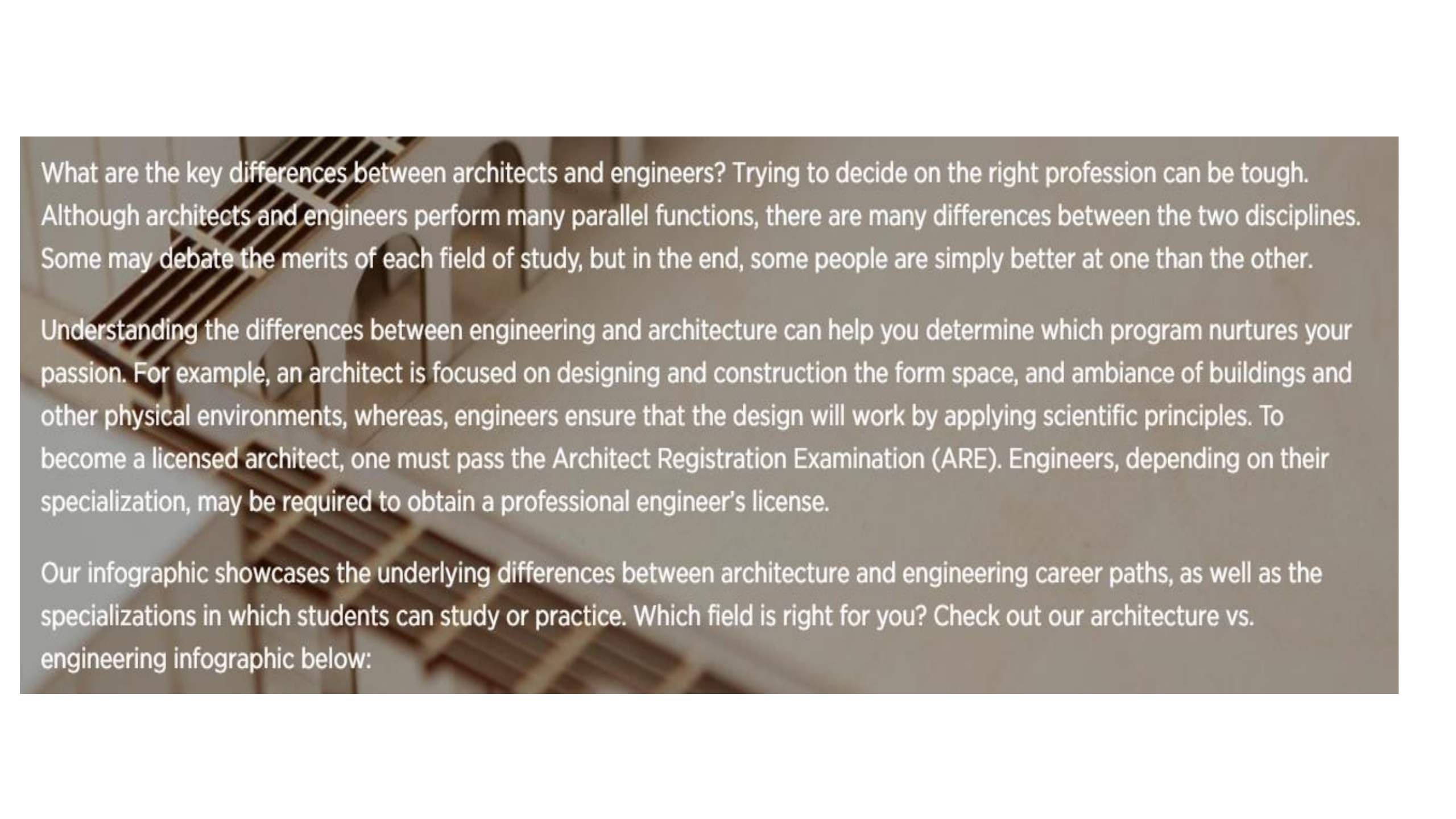
## RIGHT BRAIN

ARTISTIC

CREATIVE

THEORETICAL  
THINKER

THE ARCHITECT

A background image showing a close-up of a hand holding a pen, poised to write on a document. Below the hand, a portion of a computer keyboard is visible. The image is slightly blurred and has a warm, golden-brown color palette.

What are the key differences between architects and engineers? Trying to decide on the right profession can be tough. Although architects and engineers perform many parallel functions, there are many differences between the two disciplines. Some may debate the merits of each field of study, but in the end, some people are simply better at one than the other.

Understanding the differences between engineering and architecture can help you determine which program nurtures your passion. For example, an architect is focused on designing and construction the form space, and ambiance of buildings and other physical environments, whereas, engineers ensure that the design will work by applying scientific principles. To become a licensed architect, one must pass the Architect Registration Examination (ARE). Engineers, depending on their specialization, may be required to obtain a professional engineer's license.

Our infographic showcases the underlying differences between architecture and engineering career paths, as well as the specializations in which students can study or practice. Which field is right for you? Check out our architecture vs. engineering infographic below:

## THE ENGINEER

MECHANICAL

STRUCTURAL

ELECTRICAL

ENVIRONMENTAL

INDUSTRIAL

## THE ARCHITECT

BUILDING DESIGN  
& DEVELOPMENT

URBAN DESIGN

LANDSCAPE

CITY PLANNING

GRAPHIC DESIGN

INTERIOR DESIGN



# What is Civil Engineering?

This is a profession of designing and building structural works

Bridges, buildings, dams,  
roads, tunnels, etc.



# **BRANCHES OF CIVIL ENGINEERING**

Construction engineering

Environmental engineering

Geotechnical engineering

Structural engineering

Transportation engineering

Urban and community planning

Water resources engineering

# What Is Architecture?

Is the art of and technique of building design through purposeful of elements and principles of design

Visual elements of design are....

Line

Color

Form

Space

Shape

Texture

Value

tone

# The principles of design are....

Balance

Contrast

Emphasis

Movement

Patter/repetition

Unit/harmony



# What is the difference between “Form and Function” of a building?



Form is....shape or  
configuration of a  
building

Which  
one  
comes  
first?



Function is....the purpose of  
the building or structure