

# **The Key Characteristics of Gothic Style Architecture: From Notre-Dame Cathedral to Westminster Abbey**

The Gothic style of architecture, which emerged in the 12th century, is characterized by its ornate decorations, pointed arches, ribbed vaults, and large windows with intricate tracery. Gothic architecture was used primarily for churches, cathedrals, and other religious structures, but it was also used for castles, palaces, and civic buildings. The style became popular throughout Europe and is still admired for its grandeur and majesty. This essay will examine the key characteristics of Gothic style architecture and provide examples from two of the most famous Gothic structures in Europe, Notre-Dame Cathedral and Westminster Abbey.

One of the most distinctive features of Gothic architecture is the use of pointed arches. This design allowed for taller and wider buildings with fewer supports, which in turn allowed for more light to enter the space. Pointed arches were used in doorways, windows, and vaults, and they became a defining feature of the Gothic style. Notre-Dame Cathedral, located in Paris, France, is an excellent example of this design element. The cathedral's nave, which measures over 427 feet long and 126 feet high, is supported by tall, slender columns that create an illusion of height and space. The ribbed vaults, which are supported by the columns and feature pointed arches, create a dramatic effect that is both beautiful and awe-inspiring.

Another key feature of Gothic architecture is the use of ribbed vaults. These vaults are made up of a series of intersecting arches that create a network of ribs that support the weight of the roof. Ribbed vaults allowed for taller, wider, and more open spaces than the earlier Romanesque architecture. Westminster Abbey, located in London, England, is an excellent example of the use of ribbed vaults in Gothic architecture. The abbey's nave is supported by ribbed vaults that span

over 100 feet, creating a sense of grandeur and majesty. The vaults are also decorated with intricate carvings and designs that enhance the beauty of the space.

The use of flying buttresses is another defining feature of Gothic architecture. These buttresses are external supports that transfer the weight of the roof to the ground, allowing for taller and wider structures. Flying buttresses were used extensively in Notre-Dame Cathedral, where they are an essential part of the cathedral's design. The buttresses not only provide support for the cathedral's walls and roof but also create a visually stunning effect that enhances the beauty of the building.

Gothic architecture is also characterized by its use of large, intricate stained-glass windows. These windows are often designed with intricate tracery, which is a series of interlocking stone patterns that create a web-like effect. Stained-glass windows were used extensively in Notre-Dame Cathedral, where they are one of the most impressive features of the building. The cathedral's rose window, located on the western façade, is one of the largest stained-glass windows in the world, measuring over 42 feet in diameter. The window is divided into 12 sections, each depicting a scene from the Bible.

Finally, Gothic architecture is known for its ornate decoration and intricate carvings. These decorations can be seen in the intricate stone carvings that adorn the facades, vaults, and columns of Gothic structures. Westminster Abbey is an excellent example of the use of intricate carvings in Gothic architecture. The abbey's façade features elaborate carvings of angels, saints, and other religious figures, while the interior is decorated with ornate carvings and sculptures that enhance the beauty of the space.

In conclusion, Gothic architecture is a style that is characterized by its use of pointed arches, ribbed vaults, flying buttresses, stained glass windows, and ornate decoration. These design elements were used to create grand and awe-inspiring structures, particularly in religious buildings such as cathedrals and abbeys. Notre-Dame Cathedral and Westminster Abbey are two of the most famous examples of Gothic architecture in Europe, and they both exhibit the key characteristics of the style. Notre-Dame Cathedral's pointed arches, ribbed vaults, and flying buttresses create a sense of height and space, while its stained-glass windows and intricate carvings enhance its beauty. Westminster Abbey's ribbed vaults, stained-glass windows, and ornate decoration create a sense of grandeur and majesty that is fitting for a royal church. These buildings, along with other Gothic structures, continue to inspire and awe visitors today, demonstrating the enduring power and beauty of Gothic architecture.



## Works Cited

Fletcher, Banister. *A History of Architecture on the Comparative Method*. Elsevier, 2014.

Frankl, Paul. *Gothic Architecture*. Yale University Press, 2001.

Hitchcock, Henry-Russell. *Architecture: Nineteenth and Twentieth Centuries*. Penguin Books, 1958.

“Notre-Dame Cathedral.” UNESCO World Heritage Centre, [whc.unesco.org/en/list/600/](http://whc.unesco.org/en/list/600/).

“Westminster Abbey.” UNESCO World Heritage Centre, [whc.unesco.org/en/list/426/](http://whc.unesco.org/en/list/426/).