Architect

**Industry Demand of Architect**

There are different types of architects which include:

* Commercial architect → specializes in designing building projects such as retail shops, office towers, hotels, and other non-residential properties
* Residential architect → works with private clients and real estate developers to develop stylish and functional dwellings for homeowners
* Sustainable / green design architect → specializes in environmental-friendly and energy efficient builds
* Industrial architect → designs industrial buildings such as warehouses, factories, storage buildings, power plants, etc.
* Landscape architect → specializes in the design and development of outdoor spaces such as parks, golf courses, resorts, etc.
* Urban designer → involved in city planning and are focused on the design of an area as a whole, rather than of individual buildings
* Interior architect → designs building interiors and space planning

Some types of architects are always going to be in demand, like residential and commercial architects, etc. In developing countries like Indonesia, new residential homes will continuously appear which would require architects. With the modern world's focus on sustainability, there has also been an increase of demand in sustainability architects.

**Salary (Range)**

* Entry Level Salary in the United States: $46,000/year
* Mid Level Salary in the United States: $80,000/year
* Entry Level Salary in Indonesia: Rp54,000,000/year
* Mid Level Salary in Indonesia: Rp 120,000,000/year

**Core Tasks**

* Lead and develop structure and building projects from early concept through design development
* Prepare drawings, specifications, and construction documents
* Design and document commercial and industrial building projects
* Coordinate preliminary architectural studies for major new structures and alterations to existing structures and site development
* Organize and manage permit documents for building contractors
* Modify existing plans and elevations to fit client and sales needs

**Working Conditions**

* They spend much of their time in offices, where they meet with clients, develop reports and drawings, and work with other architects and engineers
* They also visit construction sites to ensure that clients' objectives are met and to review the progress of projects

**Skills Required**

* Design and drafting skills
* Creativity and visualization
* Computer literacy (AutoCAD, Revit)
* Knowledge of industry laws and codes
* Project management
* Knowledge of math and physics in construction

**Career progression data**

* Earn a bachelor’s degree in Architecture
* Complete a three-year paid internship by working at architectural firms through the Architectural Experience Program (AXP)
* Take the Architect Registration Examination (ARE) and apply to become licensed
* Consider to earn a master’s degree as in most states, continuing education is required to maintain licensure
* After several years, advance to a supervisory or managerial position in large firms or become partners in established firms or set up practices

**Possible University Major**

* Architecture

**School subjects required**

* Mathematics
* Physics
* Art