

HOME ECONOMICS

HOUSING INDUSTRY

MINAS TSIGKOS





PROFESSIONS OF THE HOUSING INDUSTRY

- Architect
- Environmental Engineer
- Civil Engineer
- Mechanical Engineer
- Land Surveyor

ARCHITECT

- An architect plans, designs, and reviews the construction of buildings. To practise architecture means to provide services in connection with the design of buildings and the space within the site surrounding the buildings, that have as their principal purpose human occupancy or use. Etymologically, the word "architect" derives from the Latin architectus, which derives from the Greek.





DUTIES OF THE ARCHITECT

- creating building designs and highly detailed drawings both by hand and by using specialist computer-aided design (CAD) applications
- liaising with construction professionals about the feasibility of potential projects
- working around constraining factors such as town planning legislation, environmental impact and project budget
- working closely with a team of other professionals such as building service engineers, construction managers, quantity surveyors and architectural technologists
- applying for planning permission and advice from governmental new build and legal departments
- writing and presenting reports, proposals, applications and contracts
- specifying the requirements for the project
- adapting plans according to circumstances and resolving any problems that may arise during construction
- playing a part in project and team management
- travelling regularly to building sites, proposed locations and client meetings

ENVIRONMENTAL ENGINEER

- Environmental engineers use the principles of engineering, soil science, biology, and chemistry to develop solutions to environmental problems. They are involved in efforts to improve recycling, waste disposal, public health, and water and air pollution control.





CIVIL ENGINEER

- Perform engineering duties in planning, designing, and overseeing construction and maintenance of **building structures**, and facilities, such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects, pipelines, power plants, water and sewage systems, and waste disposal units.



MECHANICAL ENGINEER

- Mechanical engineer applies the principles of engineering, physics, and materials science for the design, analysis, manufacturing, and maintenance of mechanical systems. The mechanical engineering field requires an understanding of core areas including mechanics, kinematics, thermodynamics, materials science, structural analysis, and electricity. Mechanical engineers use these core principles along with tools like computer-aided design, and product lifecycle management to design and analyze manufacturing plants, industrial equipment and machinery, heating and cooling systems, transport systems, aircraft, watercraft, robotics, medical devices, weapons, and others.

LAND SURVEYOR

Surveying or land surveying is the technique, profession, and science of determining the terrestrial or three-dimensional position of points and the distances and angles between them. A land surveying professional is called a land surveyor. These points are usually on the surface of the Earth, and they are often used to establish land maps and boundaries for ownership, locations like building corners or the surface location of subsurface features, or other purposes required by government or civil law, such as property sales.





THE FINANCIAL CRISIS IN GREECE HAS AFFECTED THE HOUSING INDUSTRY?

After the financial crisis at Greece the building of houses is reduced and all the professions connected with house industry they have huge crisis.



HOW CAN YOU IMAGINE THE IDEAL HOUSE FOR A FAMILY TO BE IN?

- A good house for a family is, most of the times, a big one and near to a super market and a school (if they live in the city). If they live in the countryside, they usually have their houses near the center of the village in case somebody from the family has been injured or if they want some food and supplies like medicine. Also, the house must be modern, including the latest technologies and be friendly with the environment.



WHAT IS YOUR FAVORITE PART OF THE HOUSE YOU LIVE IN AND WHAT ARE SOME CHARACTERISTICS THAT YOU ENJOY ABOUT YOUR HOUSE?

- I like houses, specifically big houses, because they are comfortable and, if you have guests, you can accommodate them with no problems. My favourite part of the house is the living room because there I have everything I want, such as my TV and my PlayStation. Also, I can play with my dog without any interruptions. For me a good house means that it has a roof, some windows, furniture and a kitchen - otherwise it looks like a container.