The Faculty of Engineering Science was founded in 1864 as the Ecoles Spéciales des Arts et Manufactures, du Génie Civil et des Mines. Today, it is a multidisciplinary school forming academic engineers with a sound scientific background, advanced technical knowledge, stimulated creativity, a concept-oriented approach and with an open view on social issues.

The educational philosophy of the Engineering Science programmes is based on a gradual specialisation. Problem solving and design competences are introduced from the very beginning in team projects.

Intensive research is the heartbeat for the education programmes. It is carried out in the Department of Architecture, the Department of Chemical Engineering, the Department of Civil Engineering, the Department of Computer Science, the Department of Electrical Engineering, the Department of Mechanical Engineering, and the Department of Materials Engineering.

The faculty also has a lively interaction with national and international universities, research institutes and industrial partners. With over one hundred different nationalities the student population is a very international community: 25% of the students come from abroad.

On average every year three new spin-off companies emerge from research conducted at the Faculty of Engineering Science, becoming world players in their respective commercial market: e.g. Materialise, Icsense, LMS (now Siemens Industry Software), Layerwise (now 3D Systems Leuven).

In worldwide rankings the Faculty of Engineering Science features among the best technical university programmes. The research performed at the Faculty of Engineering Science contributes strongly to the innovative character of KU Leuven, placing the university on top of the Reuters ranking of Europe’s most innovative universities two consecutive years (2016-2017). “KU Leuven earned its first-place rank, in part, by producing a high volume of influential inventions,” according to Reuters. “Its researchers submit more patents than most other universities on the continent, and outside researchers frequently cite KU Leuven inventions in their own patent applications.” (source: Reuters: Europe’s Most Innovative Universities – 2017, David Ewalt)

Study Programmes

Bachelor’s programmes (in Dutch)
- Bachelor of Engineering Science, majoring in
  - Civil engineering
  - Chemical engineering
  - Computer science
  - Materials engineering
  - Electrical engineering
  - Mechanical engineering
- Bachelor of Engineering Science: Architecture

Master’s programmes
- Master of Engineering Science: Architecture*
- Master of Biomedical Engineering
- Master of Civil Engineering*
- Master of Chemical Engineering
- Master of Engineering: Computer Science
- Master of Electrical Engineering
- Master of Engineering: Energy
- EIT-KIC Master in Energy
- Master of Engineering: Logistics and Traffic
- Master of Materials Engineering
Students of the Faculty of Engineering Science are actively involved in several networks: BEST, IAESTE, Academics for Companies, Academics for Development, Academics for Technology, IEEE, …

Other international opportunities for students of the Faculty of Engineering Science range from an intensive course of a week within the ATHENS-network, over exchanges within the Erasmus+ framework and far beyond, to dual and joint degree programmes.

All students are encouraged to participate in internationalisation@home.

International Orientation

The Faculty of Engineering Science is one of the founding members of CESAER (Conference of European Schools for Advanced Engineering Education and Research, www.cesaer.org), a non-profit international association of over 50 leading European universities of science and technology and engineering schools/faculties at comprehensive universities and university colleges.

The Faculty of Engineering Science is also an active member of CLUSTER (Consortium Linking Universities of Science and Technology for Education and Research, www.cluster.org), a consortium of 12 elite European Universities in Science and Engineering (and architecture) with associate members from around the world.

The Faculty of Engineering Science is an institutional member of SEFI (Société Européenne pour la Formation des Ingénieurs, www.sefi.be), the European Society for Engineering Education.

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