50 years of mechanical engineering at the UP

Five decades ago, with the establishment of the building and silicate engineering courses, mechanical engineering education started at the Pollack Mihály Technical College in Pécs, which attracted engineers from all over the country in a short time due to its high professional standards and strong practical side. In the early 1980s, the silicate engineering course was replaced by a general engineering course in the early 1980s, and nowadays, the institution, which has become the Faculty of Engineering and Information Technology of the University of Pécs, offers training in the whole range of mechanical engineering from higher education to master's level. The master's program is a regional novelty in the field and a niche in the local industrial environment; the first cohort graduated at this level in July 2022.

At the bachelor's level (BSc), the Faculty of Engineering and Information Technology of the University of Pécs currently offers two specializations: building services engineering and mechanical and process engineering. The MSc Building Mechanical Engineering specialization, which is based on this, is an outstanding qualification in Hungary today, with a number of novelties in both content and methods. The students can acquire knowledge about heating, water supply and sewerage, air and climate technology, modelling, BIM, etc. through project-oriented, real-life tasks using modern teaching methods such as computer modelling, project-based lessons, simulation programs, 3D printing or gamification. "We are teaching current topics similar to those in building engineering education in Western Europe today: the use of renewable energies, life-cycle cost analysis, resource efficiency, etc. We focus on putting sustainability into practice in an ecological and economical sense. The challenge of today's higher education in building services engineering is to equip students to solve problems that are not even known in detail today. We involve a number of renowned experts from industry in our teaching, so that they can pass on their up-to-date knowledge and experience to future engineers," says Dr. Mária Miklós Eördöghné PhD, Associate Professor and Leader of the program.