
Automotive Engineering



Design, build and repair vehicles

Choose your passion!

Automotive Engineering is one of the most rapidly evolving Engineering disciplines. You will gain the knowledge and the skills, not just for repairing vehicles but also for designing internal combustion engines, analyzing electrical and electronic vehicle systems, and designing and building computer-aided vehicles.

BSc in Automotive Engineering

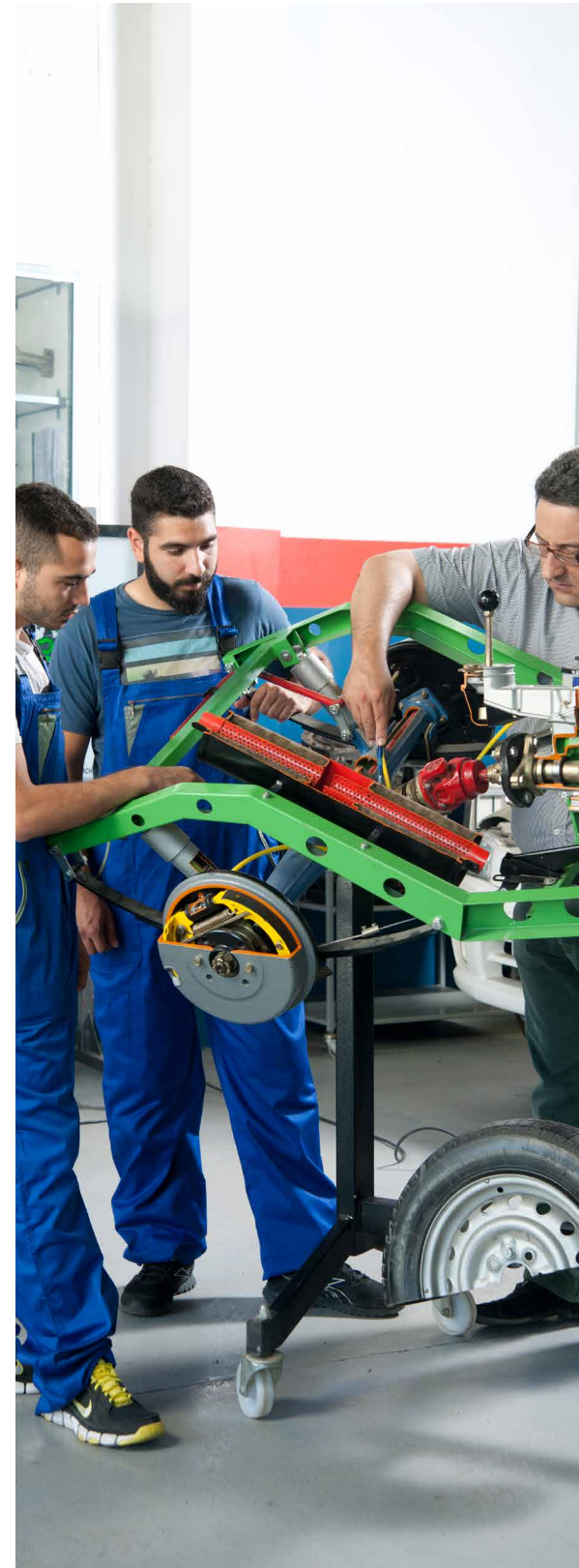
This is the only four-year academic program in Automotive Engineering in Cyprus. It includes theoretical and practical courses, preparing you to find immediate employment in high-level jobs once you graduate. You can also pursue postgraduate studies in cutting-edge areas, such as manufacturing technologies and sustainable energy systems.

An exciting career path

This program provides the essential hands-on experience combined with a solid theoretical background. You will thus be able to pursue numerous job opportunities in automotive engineering and also work in various vehicle-related companies. For example, you could work in the private sector as a consultant engineer at a car workshop or as an assessor at an insurance company. You could also work in the auto parts manufacturing industry or at an auto parts import company. You will also be able to work in the public sector as an automotive engineer in technical departments with vehicle fleets.

Experience the thrill of FORMULA

Along with your fellow students, you will have the opportunity to participate in the exciting FORMULA STUDENT international competitions, where selected teams from various universities develop their own single-seated Formula-type racing car. To date, Frederick University students have developed three Formula-type racing cars. They have also designed and built an electric racing car that runs on photovoltaics.



Through the courses offered by this program, you will learn how to design and operate internal combustion engines and analyze data from electrical and electronic vehicle systems. You will also learn how to use and process automotive manufacturing materials and perform computer-aided vehicle design and manufacturing. **These skills will boost your employment prospects.**



During your studies you will receive **intensive practical training** in vehicle dealerships where you will gain valuable practical experience. You will have the opportunity to work on real projects and familiarize yourself with the different job roles you can pursue once you graduate.



The program is recognized by the Cyprus Scientific and Technical Chamber (ETEK) and, as a graduate, you will be eligible to register as a member.



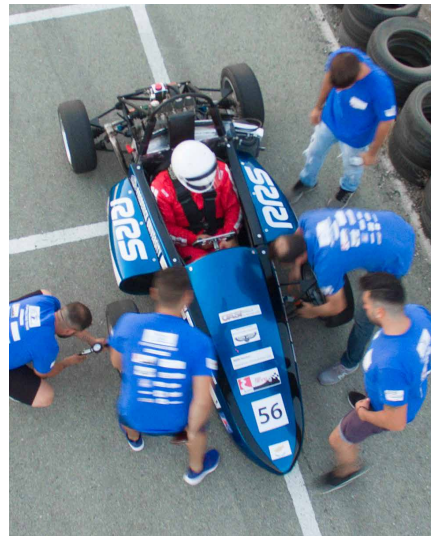
As a graduate of this program, you will be eligible to receive professional certifications, such as the Vehicle Repair Technician certificate, offered by the Professional Qualifications System (SEP) of the Cyprus Human Resources Development Authority (HRDA). Once you gain a year of professional experience, you will be able to become a licensed vehicle technician at the Department of Electromechanical Service of Cyprus. In addition, you will be able to become a licensed LPG (Liquefied Petroleum Gas) technician and obtain a Transport Energy Auditing Certificate, enabling you to conduct energy audits in companies with vehicle fleets.

*The requirements to practice a profession vary from country to country, so if you wish to practice your profession outside Cyprus, you are advised to confirm that this qualification is accredited by the competent professional body in the country in which you intend to work.



“ My father participated in rally races, and that’s how my involvement with cars began. While growing up, he taught me how to drive and some useful car tricks, and I knew immediately what I wanted to do in the future. Having already had some idea about cars and how they work, I started gathering information, and this is how I ended up at Frederick University. The professors continuously encouraged us, while they were always available to discuss with us and ready to help in any way possible. One of the most important aspects of this program was the small number of students in the classroom. Because of that, the professors knew each one of us by name; we were like a small family. Frederick University has given me a solid foundation that helps me understand and solve any problem. ”

Panagiotis Tinentis, graduate



“ At the outset of my journey, I found great professors, who were also remarkable human beings always ready to support their students and stand by them, helping them turn their weaknesses into strengths. The university became my family; we were a team. Later, these people continued to be present in my professional career. They encouraged us to ask them for help for whatever troubled us. ”

Vassilis Christou, graduate

“ The Automotive Engineering program was one of the best experiences and I will cherish it for the rest of my life. The university was my second home. The professors make every student feel safe. Even when facing a difficult situation, you felt that someone was by your side and ready to help. ”

Theocharis Apostolou, graduate



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