



Degree Programme in

Plastics Technology

What is the common nominator for aviation, surgery and consumer electronics devices? The answer is synthetic polymers. The structure of the polymers ensures superior strength in airplane materials, offers surgery an alternative to human tissue and provides the market with high resolution displays at affordable prices.

Polymers offer possibilities

So what are polymers and how are they linked to plastics? Polymers are the main ingredient in all plastics materials. They essentially define the mechanical and chemical properties of plastics, such as strength, elasticity and stability. Additives are then used to give the material qualities such as a specific colour or enhanced UV-stability. Thus, once you understand polymers, you can perform miracles with new applications, mix new combinations of additives to create new properties or simply utilize polymers as raw materials in product design.

Sustainable materials and fuel

Plastic is a slowly decomposing synthetic material and has therefore not been considered as a sustainable material of the future. Out of ordinary household waste, only plastics have not been recycled to any remarkable extent. In the near future plastics will come to play a new role. They will become increasingly biologically degradable and will become an important material in high tech products. Plastics will either be recycled or used as fuel, thus partially replacing fossil fuels.

Tailor your studies

The plastics education at Arcada will give you in-depth knowledge of polymers as well as of processing methods used in industrial production today. We will study new innovations, multifunctional materials, as well as plastics in medical applications and high technology. The elective studies enable you to tailor your studies according to your personal interests. Within these you can choose between foreign languages, entrepreneurship and studies abroad.

We also support highly motivated students with an interest in design to become experts in injection moulding or extrusion by completing exchange studies, as it is possible to take specialisation studies abroad at one of our partner institutions. After graduation your career opportunities are excellent, especially as there is no similar study programme anywhere else in Finland. A degree from our programme will give you eligibility to apply to a Master's degree programme.

Job opportunities

The plastics industry in Finland is exciting and constantly developing with over 15 000 people employed. The plastics industry follows new trends in consumer electronics, the construction industry and the packaging of products. As a graduate of Plastics Technology you will qualify for positions as an engineer. Some typical job titles include Process Engineer, Product Engineer, Design Engineer, Laboratory Engineer and Plastics Engineer.

Continue on to a Master's level

Students who want to continue their studies at a Master's level can do so at other universities or universities of applied sciences either in Finland or abroad. Arcada offers two Master's Degree Programmes in English: Media Management and International Business Management.

Interested?

Learn more about the courses included in the programme at <http://studieguidе.arcada.fi/en> and about application and admission procedures at www.arcada.fi/en!

Degree Programme in Plastics Technology

- ✓ You become a Bachelor of Engineering
- ✓ Scope: 240 ECTS credits
- ✓ Duration: 4 years
- ✓ The entrance examination will be held
26 April 2012
- ✓ Arcada admits 20 new students autumn 2012
- ✓ Application takes place 9 January - 14 February
2012 (www.admissions.fi)