






INTERNSHIP HOST

	Name of Company OST Otschweizer Fachhochschule Institute for Microtechnology and Photonics
	Website www.ost.ch/imp
	Address of Company Buchs Switzerland
	Number of Employees 55 (institute IMP)
	Business or Product Applied research and Development in the field of MEMS/Microtechnology and Photonics

STUDENT REQUIRED

	General Discipline Material Engineering and Sciences
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Field of Study

Completed Years of Study
3

Language Required
English Good (B1, B2) Or
German Good (B1, B2)

Required Qualifications and Skills

Master student

Student Status Requirements
none, must be EU/EFTA passport holder

Other Requirements/Information
Interview will be done by employer, video
interview preferred
Must be EU/EFTA passport holder

INTERNSHIP OFFER



18 - 26
weeks

Latest Possible Start Date

Within Months
Apr-2025 - Mar-2026

Company Closed Within

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2200 CHF
per Month

Deductions Expected
approx. 10 % Social security AHV/IV

Payment Method



800 CHF
per Month

Arranged by
IAESTE

Estimated Cost of Living including Lodging
1650 CHF / Month

Working Environment: Research and development

Working Hours / Week: 42.0

The trainee will be part of the Institute for Microtechnology and Photonics, in the group of Materials Engineering.

Possible topics are related to electrochemical surface treatment for additive manufactured Al alloys (anodizing) or applications in the energy sectors (electrodeposition). In particular we are looking for a strong candidate with a background in materials science or electrochemistry to support our team in the development of sustainable approaches to surface treatment (development of coatings via electrochemical processes).

Our Institute is focused on industry related research and development activities with a team of 50+ researchers and engineers. The institute has an excellent infrastructure with clean room facilities for 200mm MEMS wafer processing, material analytics. The work will be part of larger customer-related or internal development efforts. Collaboration with our team will be an essential part of the work.

This project will also allow the master student to learn new characterization techniques, such as scanning electron microscopy (SEM) and glow discharge optical emission spectroscopy (GDOES) as well as surface preparation. The project will also allow the candidate to strengthen his skills in electrochemistry and, process design and automatization. At the end of the project, the student will have acquired some expertise in the fields of materials development for the vacuum technology and energy sectors, with regards to electrochemical surface treatment and characterization.

ADDITIONAL INFORMATION

Must be EU/EFTA passport holder

Deadline for Nomination - 15-Mar-2025