



Huntsman is a global manufacturer and marketer of differentiated chemicals. Its operating companies manufacture products for a variety of global industries. Originally known for pioneering innovations in packaging and, later, for rapid and integrated growth in petrochemicals, Huntsman today has 13,000 employees and operates from multiple locations worldwide.

## **Master Student in Additive Fabrication - Resin development (m/f) (ref : AF-RF01)**

The student will join the Core Research team of the Advanced Materials division based in Basel. The traineeship is to last between 6 - 8 months.

Principal accountabilities entrusted during the traineeship :

- Perform formulation, application, and material characterization
- Develop UV curable "green" resins to be processed by an additive fabrication machine
- Perform formulation of appropriate UV curable compositions
- Evaluate material behavior regarding machine processing conditions
- Screen literature regarding bioderived photopolymerizable building blocks, fillers.
- Evaluate photopolymerization properties of such compositions and materials
- Evaluate photochemical and thermo-mechanical properties of developed resins
- Respect Environment Health & Safety principles and manage the maintenance of laboratories and lab instruments

Our ideal student is organised and flexible and is studying chemistry. Experience in formulation technologies, material characterization (DSC, DMA, FTIR) methods and UV-Spectroscopy is welcomed. The student has also to show the ability to work in an interdisciplinary project regarding material design, formulation and processing on a machine. Good oral and written English and German skills are necessary. The student is IT literate (MS-office) and has already a sound knowledge of chemistry and polymer science.

If you are interested in this traineeship, please do not hesitate to send us your application to **Huntsman Advanced Materials (Switzerland) GmbH**, Mrs. Maryse Wohnhass, K-401.2.95, Klybeckstrasse 200, CH - 4002 Basel or [maryse\\_wohnass@huntsman.com](mailto:maryse_wohnass@huntsman.com)