Shorten your duration of studies by choosing the iMOS Fast-Track program and combine it with the iGSS Track II scholarship.
ABOUT US

Started in 2011 as a Master 2.0 study at RUB with a majority of former RUB bachelor students enrolled, iMOS strives to reach those who have a passion for science and a desire to work in an international environment. RUB students have an opportunity to explore research abroad and work closely at RUB with young researchers from all over the world.

integrating the knowledge, the experience and social networks of generations of researchers

IMOS

ADMISSION

iMOS is a research-oriented, interdisciplinary Master’s degree course. The program aims to provide you with comprehensive knowledge and skills in cutting-edge theoretical and spectroscopic techniques, coupled with the ability to apply them independently in the fields of molecular chemistry, biochemistry, and physics. iMOS relies on your skills in quantum mechanics, mathematics, physics, and chemistry. Basic knowledge about concepts of classical mechanics and thermodynamics/statistical mechanics is mandatory.

PROGRAMS

This 2 year Master's program at RUB is taught entirely in English, with access to a RUB specialized English course. Instructors are closely tied to the research at RESOLV, Ruhr Explores Solvation. The current curriculum is attached.

For those exceptional students wishing to begin their PhD program straight from the Bachelor’s degree, supervised by one of the scientists within the Cluster of Excellence RESOLV, you may consider applying to Track II of the integrated School Solvation Science (iGSS) AND iMOS Fast-Track. See solvation.de for more information.

RESEARCH

Four additional lab practicums are an integral part of the required courses, specifically designed for iMOS students. The second year of the program is packed with independent guided research, culminating in the Master’s Thesis. Project topics include molecular simulation, laser photonics, time-resolved spectroscopy and more. Students are sponsored for a 2-3 month long research internship abroad and have recently traveled to Sweden, Switzerland, Canada, the Netherlands, and the USA.