

EACH Winter School 2017



UPPSALA
UNIVERSITET

Erken laboratory (Sweden) 23-27.01.2017



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EACH in brief



UPPSALA
UNIVERSITET

University of Tartu

Fundamentals of analytical chemistry,
metrology in chemistry, quality assurance,
socio-economic aspects

Year 1: Fundamentals + Placement

60 ECTS

Uppsala University

Organic and
bioorganic analysis,
advanced separation
methods, mass
spectrometry

University of Lyon

Industrial analysis,
process control
and monitoring

Åbo Akademi

Advanced analytical
devices, sensors,
miniaturization,
electrochemistry

Year 2: Specialisation + Master's thesis

60 ECTS

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EACH: Why?



- One of the few of its kind
- Oriented towards job market
 - Metrology/quality
 - Socio-economical aspects
 - Study tracks tailored to „frontier“ areas
- Strong links with practitioners

... This reveals a **larger demand** from the job market for analytical chemists **than the supply** by higher education institutions.

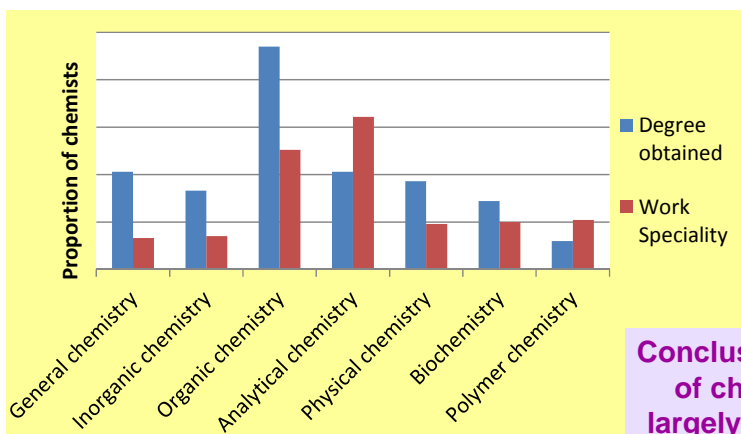
R. Salzer et al *Anal. Bioanal. Chem.* **2014**, *21*, 9921-9935. **Education and careers of European analytical chemists**

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Jobs/career worldwide



Conclusion: the jobs of chemists are largely in analytical chemistry

D. J. Hanson *Chem. Eng. News.* **2011**, *89*, 33.
ACS Employment and Salary Survey 2011

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Aims of Winter School



- **Meeting between 1st and 2nd year students**
 - Information „from students to students“
- **Study tracks / Second year universities**
 - Selecting students to study tracks
- **Broaden your knowledge**
 - Links between analytical chemistry and other disciplines
- **Team work**
 - You will solve tasks in teams

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Website

The screenshot shows the EACH Winter School website with a navigation menu on the right and a central schedule table. The table is organized by day and time slot, detailing activities such as 'Arrival', 'Break', 'Lunch', 'Team works', and 'Student interviews'.

Time	Day 1 (20)	Day 2 (21)	Day 3 (22)	Day 4 (23)	Day 5 (24)	Day 6 (25)
8-9	Arrival	Arrival	Arrival	Arrival	Arrival	Arrival
9:30-10:30	Arrival	Dr Henrik Beck Interview, local DVA, Lyon	Dr Henrik Beck Interview, local DVA, Lyon	Dr Henrik Beck Interview, local DVA, Lyon	Dr Henrik Beck Interview, local DVA, Lyon	Dr Henrik Beck Interview, local DVA, Lyon
10:45-11:00	Break	Break	Break	Break	Break	Break
11:00-12:00	Arrival	Team works	Student interviews	Prof Tord Fagren, Institute of Technology	Admission of new students	Prof Tord Fagren, Institute of Technology
12:45-13:00	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
14:00-15:00	Free afternoon arrangements 2nd year students preparing to 2nd year students the 2nd year university	Team works	Student interviews	Dr Henrik Lofstrom, Uppsala University	Admission of new students	Student presentation of Team Work

- Updated information:
 - <http://www.ut.ee/EACH/each-winter-school/>
- Teachers: any materials you want to distribute: send me
 - Ivo.leito@ut.ee

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Important information:



- **1st year students:**
 - Study track preferences by the interview (put in slides)
 - All three universities, on scale 1-10 (10 is the preferred)
 - Example: **UU: 8 UCBL: 2 AAU: 10**
 - We will have a session on spring timetable
- **2nd year students**
 - Master theses
 - Doctoral studies
- **All students:**
 - Feedback surveys after the Winter school

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Selecting 1st year students for study tracks

- **Final decisions** are made during the Winter School
- Students are selected taking into account
 - Your preference
 - Weighted average grade of compulsory courses obtained during the first semester at Tartu
 - Interview during Winter school
 - Convincing motivation of your preference
 - (Knowledge of local language)

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Aspects for you to take into account in stating study track preferences



- **Research fields** in II year universities
- **Competition** for the II year universities
 - UU more popular than others
- **Cost of living** in the respective country
- Your **language** skills and what language you have studied at Tartu
 - France vs Finland/Sweden
- **Other links** you may have with France, Finland or Sweden

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We wish you successful Winter school!



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