Typical Schedule: M.S. in Environmental Engg. or M.S. in Environmental Engineering Science, with a focus on air quality science and engineering, for students advised by R. Honrath

Requirements

- Coursework credits: 20-22 (5000-level ≥ 12).
- Research and thesis (register for at least 10 research credits).

Each final schedule and thesis topic is agreed upon by the student and advisor.

Coursework

- 1. Mass balance, reactor analysis, kinetics, and mass transfer CE5501 Environmental Process Engineering (fall) (3)
- 2. Environmental chemistry CE4501 Environmental Engineering Chemical Processes (fall) (3)
- Data analysis and statistics CE5243 Probalistic Analysis and Reliability (fall) (3), or MA3730 Statistical methods (3)
- Numerical methods; transport modeling GE5800 Mathematical Modeling of Earth Systems (spring) (3)
- 5-6. Atmospheric Science and Engineering CE5505 Atmospheric Chemistry (spring) (3), and One of:
 PH4640 Atmospheric Physics (fall) (3), or
 CE5xxx Atmospheric Boundary Layer Meteorology (spring) (3)
 - 7. Non-atmospheric Environmental Engineering course: at least one of the following. CE5509CH5509 Environmental Organic Chemistry CE5508 Biogeochemical Processes CE5504 Surface Water Quality Modeling CE5507 Sorption and Biological Processes CE5502 Biological Treatment Processes
 - Seminars CE599x Environmental Engineering seminar (register once, attend always) UN4000 Remote Sensing Seminar (1)

Courses for students who have taken some of the above, and for doctoral students

CH4210 Instrumental Analysis
MA4710 Regression Analysis
CE4504 Air Quality Engineering and Science (fall) (3)
GE4250 Remote Sensing Fundamentals (spring) (3)
FW4540 Remote sensing of the environment (fall) (3)