

Basic Chemical Crystallography Applications Training Class

P/N 862-088500

Bruker AXS Inc

Madison, WI Training Center

Class Size

Because our trainings are interactive and learner-oriented, we limit class size to a minimum of three and a maximum of six. Early enrollment is encouraged as registrations are accepted on a first-come/first-serve basis. We reserve the right to cancel a course if there are less than three registrants four weeks prior to the start date.

Attendance Fee**

The course fee is \$1,920 USD per person.

Bruker Training Facility

Bruker AXS Inc
5465 East Cheryl Pkwy
Madison, WI 53711-5373
USA
1 (800) 234- XRAY

* To get the most out of the class, it is highly recommended that you fly into Madison, Wisconsin (MSN) on Sunday afternoon/evening and fly out late Wednesday or Thursday.

** Each participant will be provided with class materials, computer, and lunch.

About the course

This course is designed for new users of the Bruker D8 QUEST or D8 VENTURE systems for X-ray crystal structure determination (chemical crystallography). The course includes instruction and lab time. The training is in English, so participants should have strong English skills.

Course Agenda

This course runs 9am-5pm, Monday-Wednesday*, and covers the following:

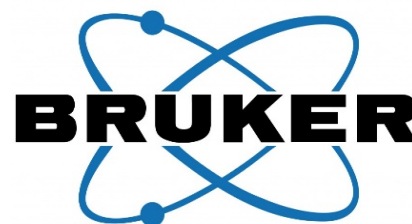
- Introduction to single crystal diffraction (crystal systems, space groups, X-ray diffract theory)
- Overview of instrument hardware and software
- Techniques for selection and mounting of specimens for X-ray analysis
- Discussion of data collection techniques and strategies
- Hands-on use of a Bruker D8 series system for routine structure determinations
- Instruction and practice with APEX3 software package, including
 - Data integration and analysis techniques using APEX3
 - Structure determination and refinement - use of SHELXTL software package
 - Use of Cambridge Crystallographic Database
 - preparation of final reports, tables, diagrams and CIF files
- Students are encouraged to bring his/her own samples and problem data

For Course Questions Please Contact:

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For Registration and Other Questions:

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