

# BNC Training Overview

*This document is designed to guide you through various training sessions available for the Birck Nanotechnology Center (BNC).*

Upon arrival at BNC you need to determine which level of access your research will require. Your Purdue ID can be used to register for all relevant training courses at <http://www2.itap.purdue.edu/bnc/training/>

The public areas of the Birck Nanotechnology Center (BNC) are open from 7:00 AM to 6:00 PM, Monday through Friday – excluding holidays. Access to the facility outside of these hours, as well as access to an office, laboratory, or the cleanroom requires that specific training requirements be completed. The level of training needed depends on the areas of the facility to which access is required.

Training is most effective when received immediately prior to the use of the training. For example, if cleanroom training is taken in June and the cleanroom is not used until September, a large amount of the material will be forgotten in the intervening months. It would be far more effective to take the cleanroom training in late August.

Please note that there are no fees for general BNC training, only for specific equipment training.

**All BNC training courses have an on-line pre-classroom certification** that must be completed prior to attending the classroom session. This certification consists of on-line material that must be reviewed and a quiz that must be successfully completed. Birck on-line courses & quizzes can be found on Purdue's ITaP Blackboard site at <https://blackboard.purdue.edu/webct/entryPage.doweбct>

*Note:* The first time you log on you will need to create an account on Blackboard WebCT. This account is independent of your Purdue ITaP account, but you can make your user name match your Purdue log-in if you wish. Add new courses to your account by clicking on “West Lafayette Open Campus★ Course List ★ Purdue Extension ★ BNC ★ Uncategorized” then select the relevant course. Once registered, the course should appear on the “Course List” section of your “My Blackboard” page.

## **BNC 105: BNC Facility Orientation**

**This training is required for all occupants of the BNC and for all people using the cleanroom and/or laboratory facilities.** It will allow you to (a) get access to the building outside of business hours using your BNC or Purdue ID and (b) get keys to any assigned office space. This course covers BNC policies & procedures, safety information, and the Right-to-Know program, but does not cover specialized hazards addressed in fume hood, laser, biological safety, and/or cleanroom training.

Please note that BNC 105 is a prerequisite for all other BNC training courses. It is offered every week.

## **BNC 150: Fume Hood Training**

This training is required for all people who will be using the laboratories in the BNC. It provides general information on fume hood safety, specific information on the use of BNC fume hoods, and general information on response to incidents in fume hoods. This course is a prerequisite for cleanroom training; it is offered every week. *Prerequisite: BNC 105.*

## **BNC 206: Cleanroom Training**

This course is required for any person who wishes to enter the cleanroom, and must be completed prior to their first entrance into the cleanroom. It contains information on working in the cleanroom in general, as well as specific policies and procedures for the BNC cleanroom. The gowning process is taught, and access to cleanroom garments is provided. This course is offered by request. *Prerequisite: BNC 150.*

## **BNC 207: Laser Training**

This training is required for all people who will be using a laser laboratory in the BNC. The course is offered by Purdue Radiological and Environmental Management (REM) and is scheduled through the REM web site, <http://www.purdue.edu/rem/rs/rstrain.htm#LST>. *Prerequisite: BNC 150.*

## **BNC 208: Biosafety Training, BSL-1 and BSL-2**

This training is required for all people who will be using the biological laboratories in the BNC. It provides general information on biological safety, specific information on the use of BNC biosafety laboratories, BNC biosafety protocols and procedures, and sources for specific information on biological species. This course is offered by request. *Prerequisite: BNC 150.*

## **BBP: Bloodborne Pathogens**

This training is required for all people who will be using the BSL-2 laboratories in the BNC and others who may be exposed to bloodborne pathogens (such as janitorial staff). This training must be repeated annually to maintain certification. This course is offered by request. *Prerequisite: BNC 150.*

## **Equipment Training**

Most equipment in the facility requires some level of training prior to use. This training must take place subsequent to the training that allows access to the equipment location, i.e., cleanroom or laboratory. The training requirements and schedule for specific equipment training can be found on the BNC website following the equipment description. For example, training for the Panasonic E620 Etcher can be obtained by accessing: [nano.purdue.edu](http://nano.purdue.edu) => **Facilities** => **Equipment** => **Panasonic E620** => **Schedule Training**.

You must sign up for an active Coral account with the BNC Business Office prior to taking specific equipment training. Please see Ashley Douglas to establish your account.

*Prerequisites: Access to equipment location, active Coral account.*