

Details

While you are a student in the Luthier Program, you may utilize the Fab Lab during regular business hours and open lab time to work on your instruments. The Fab Lab is open most days for individual use Monday through Friday from 9am to 4pm. You can schedule to work in the lab anytime during the week. Open Lab is also offered off-hours and can include nights & weekends. These lab hours are scheduled weekly and fees vary. It is suggested to call to book an appointment to work in the lab.

Specialty work and/or consultation services are available. We also offer one-on-one instruction with our skilled instructors. Pricing varies.

The Luthier Certification Program can accommodate students ages 16 years and older.



Testimonial

“The Luthier Program is a great experience. The knowledgeable instructors guide you step-by-step for each build. I enjoyed working in the Fab Lab”

Membership

Join the Fab Lab! As a Fab Lab Member, you will have access to traditional and cutting edge tools, technologies and equipment. A Fab Lab membership is available to members of the community, students and groups. Membership includes access to the lab and machinery during normal business hours, open lab or off hours by appointment only. We offer several membership options to suit your specific lab needs.

New member must register and pay for three months. Thereafter, membership may be purchased on a monthly basis. All memberships are valid from date of purchase.

- **Individual - \$100/month**
- **Family - \$150/month**
(Includes one adult and one child, age 14 years or older, who reside at one address)
- **Business/Corporation - \$300/month**
(Includes up to four adults from one business/corporation. Proof of employment is required)
- **Student - \$75/month**
(Student ID required)

Contact Us

NCC Fab Lab
511 East Third Street
Bethlehem, Pa 18015
(610) 332.8665
fablab@northampton.edu

Visit us on the web:
www.northampton.edu/fablab



Luthier Certification Program



Northampton Community College

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610.332.8665 fablab@northampton.edu



Photo Courtesy of Fig Bethlehem

About

The Luthier Program at NCC combines old-world craftsmanship with modern manufacturing to guide participants through the fine art of building a stringed instrument that is both rich in sound and beauty. Laser engraving, inlay, cutting the neck, exploring exotic woods, tonewood resonance testing and spray booth techniques are all part of the Luthier Program at NCC. Participants are encouraged to dream, innovate and create using the lab's comprehensive tools and the guidance of master Luthiers.

Years in the making, the Luthier Program has increasingly expanded its program with tooling, lab and classroom space, instruction and technology. That means, you will receive the best, most comprehensive training in the art, science and mechanics of guitar building. The Fab Lab Luthier Program is a member of the Association of Stringed Instrument Artisans.

Learn More

Free Luthier Information Sessions are held the first Wednesday of each month from 6pm to 8pm at the Fab Lab. For more information email fablab@northampton.edu

The Instruments

Although you will learn how to build instruments from scratch (step by step), you will also be introduced to the technology that is incorporated into manufactured guitars, including: CNC, 3D Printing, Laser Engraving/Inlay, Electronics and more. Advanced knowledge, coupled with the mastery of old-world skills, will help you apply your earned NCC Luthier Certification to a wide range of opportunities!

Martin 1-18 Reproduction 1928 Parlor

- Acoustic Guitar Building I
Course Code: FABGA113

Dreadnaught

- Acoustic Guitar Building II
Course Code: FABGA101

Electric Guitar

- Course Code: FABGA300

Tenor Ukulele

- Course Code: FABGA106

Finishing Techniques, Inlay, Amplification as well as the history of the Guitar are all part of the Luthier Program at Northampton Community College.



Advanced

Students who complete the Luthier Certification Program will have an opportunity to move onto an advanced certification. Working one-on-one with our instructors or enrolling in the class you will build:

- Archtop Cutaway
- Custom Electric Guitar
- Custom Acoustic Guitar
- "A" Style Mandolin
- Tube Amp

Sound Booth Access

All Luthier participants are also welcome to utilize the controlled environment within the Fab Lab Sound Studio booth to record and compare the guitars built on site. You can even test resonant frequencies prior to putting an instrument together!

