

# FAB LAB

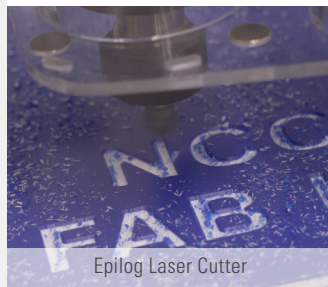
NORTH CAROLINA CENTRAL UNIVERSITY

## ADVISORS

- COLIN "TOPPER" CAREW  
MIT Media Laboratory
- SALLYE COYLE  
ShopBot/Fab Lab Consultant
- JEFF CREWS  
Splatz Space
- SHERRY LASSITER  
MIT Fab Foundation
- TUSHAR MAHALE  
Former Creator of a Mobile Fab Lab



3D Object / LutzBot 3D Printer



Epilog Laser Cutter

North Carolina Central University (NCCU) is joining the Maker Movement. In collaboration with the Media Lab of the Massachusetts Institute of Technology (MIT), NCCU has opened a Fabrication Laboratory, or Fab Lab. The Fab Lab will be part of a network of such laboratories worldwide.

## BACKGROUND

The initiator of the project is Topper Carew, director and founder of a new Innovation and Inclusion Initiative (3i) at the MIT Media Lab. This initiative involves the design, creation and assisted implementation of Innovation Centers at a select number of the Historically Black Colleges and Universities (HBCUs).

- NCCU was selected following a meeting between the Chancellor Debra Saunders-White and Dr. Clarence G. Williams, an NCCU alumni who is professor emeritus of Urban Studies at MIT and a former special assistant to MIT's president. Dr. Williams also is founder and director of the Blacks at MIT history project.
- NCCU is the first HBCU with a fully operating Fab Lab registered with the Fab Foundation's global community of researchers, makers and innovators.
- A Fab Lab is a technical prototyping platform for innovation and invention. It is a place to create, play and invent, providing stimulus for entrepreneurship.
- The steps for digital fabrication include research and planning; drawing or rendering of the design on a computer; establishing settings for equipment to machine or print the design; simulation of the product; and, finally, producing the product.

## CORE/STARTER EQUIPMENT FOR ALL FAB LABS

- Ellageo Babylock Sewing Machine
- Epilog Laser Cutter
- Geomagic Capture 3D Scanner
- LutzBot 3D Printer
- Pegasus 3D Printer
- Roland Vinyl Cutter
- ShopBot

## OPPORTUNITIES PRESENTED BY THE NCCU FAB LAB

- Stimulate a culture of creativity/innovation without reliance on formal coursework
- Foster interdisciplinary projects (music, physics, math, art, textiles)
- Collaborate with community programs to develop an interest in invention
- Interact and share with the international Fab Lab community and other maker labs

## FOR MORE INFORMATION:

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