

## Description

The 3D Printer Lab (provided by the Student Technology Fee) is in the Student Center's 24-Hour BIG Print Lab. It consists of four (4) Ultimaker 3D printers managed by Lab Monitors.

## What is 3D Printing?

3D printing is a process of making a three-dimensional solid object from a digital file. The object is created by laying down successive layers of material (melted filament) until the object is created. You can create the digital file (.STL format) yourself using 3D modeling software or download an object from a 3D repository (Thingiverse).

## Who Can 3D Print?

The 3D printers are available for use by all Louisiana Tech University students. Each student will be allocated 100 grams of PLA filament per quarter or they can opt to BYOF (Bring Your Own Filament) and print up to 500 grams (talk to one of our Lab Monitors for more information).

A few simple rules:


- Only the Lab Monitors will have hands-on access to the 3D printers
- Weapons or obscene and inappropriate objects will NOT be printed
- Objects violating copyrights, patents or trademarks will NOT be printed
- Printed objects CANNOT be sold
- Printing is done on a first-come first-serve basis

Follow the steps below to start 3D printing at Louisiana Tech's STF 3D print lab.

## How to 3D Print

### 1. Setup your 3DprinterOS account:

- SIGN UP at **cloud.3dprinterOS.com** using your full La Tech email address (*abc123@latech.edu*)



**SIGN IN**   **SIGN UP**   **SSO**

First Name

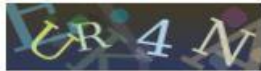
Last Name

Organization

E-mail

Password - min 8 symbols"

Repeat password

Enter Captcha 

☐ I have read all the terms and I am giving all consents.

☐ I agree to provide my email and IP address for general and security purposes of the 3DPrinterOS system (necessary).

☐ I agree that some of my personal data will be displayed on public pages of social network and throughout the 3DPrinterOS system.

☐ I am older 16 / I am parent of user who is younger 16.

\* Read full information about personal data we store and use in our [Privacy Policy](#)

**Sign Up**

- Check your email and verify your account.



## Welcome to 3DPrinterOS!

Hi [redacted]

We are happy you have decided to join 3DPrinterOS. This is the last step to start your journey. Please open this link to verify your email:

[https://cloud.3dprinteros.com/sign/activation?  
token=\[redacted\]](https://cloud.3dprinteros.com/sign/activation?token=[redacted])

If you didn't register this email address, then simply ignore this email and don't use the link. You will not receive any emails from us.

Regards,  
3DPrinterOS Team.




## ACCOUNT VERIFICATION

The account was successfully verified.





Please [sign in](#) to continue.


- Sign into 3dprinterOS.com.

**3DPrinterOS™**  
Cloud 3D Printer Management

**SIGN IN****SIGN UP****SSO**

**Enter with Facebook**

**Enter with Google**

**Enter with Microsoft**

**Sign In**

Forgot Password? [Click here to reset it.](#)

- Click “Not Now” on the License Activation popup window.

LICENSE ACTIVATION

X

**You are currently using the free version of 3DPrinterOS.**

Uploading-preparing-slicing and printing are free and will always be free for personal and corporate use within our Fair Usage Policy. To access our Premium and Organizational features please [upgrade your account](#).

Already upgraded? Enter your license key here:

3DPrinterOS -

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NOT NOW


ACTIVATE NOW

- Click on PRINTERS from the top menu bar, choose “+ MORE” and then click on “ADD WORKGROUP PRINTERS”.

The screenshot shows the 3DPrinterOS Cloud 3D Printer Management interface. The top navigation bar includes links for MY PROFILE, UPLOAD, SEARCH, MY FILES, DASHBOARD, **PRINTERS** (circled in red with a red '1.' next to it), and DOWNLOAD. There are also links for SUPPORT FORUM, TUTORIALS, and a settings gear icon. Below the navigation bar, a message says 'Have a look at a cool project e-Nable Hand - Open Source Project in MyFiles/Projects.' with a close button. The main content area has two tabs: ACTIVE PRINTERS and LIVEVIEW WALL. Below the tabs, it says 'No active printers' and 'Finished jobs stay here for 24 hours only, go to [dashboard](#) to see full history'. On the right side, there are buttons for 'Register Dremel3D/Robo3D', 'INSTALL', and '+ MORE'. A red arrow with a '2.' points to the '+ MORE' button. A dropdown menu is open from the '+ MORE' button, showing options: 'MAKE OFFLINE PRINTERS INACTIVE', 'ADD WORKGROUP PRINTERS' (circled in red with a red '3.' next to it), 'INACTIVE PRINTERS', and 'REMOTE TERMINALS LIST'.

- For Student Access Code enter (in all uppercase): **3DLATECH** and click “Connect to Workgroup”.

WORKGROUP ACCESS



Please enter Workgroup access code you received from your teacher or 3D printing laboratory administrator.

If you don't have Workgroup access code for your university, please ask it from course teacher or 3Dprinting Lab administrator.

Student access Code

If your university has not yet joined the 3DPrinterOS Educational program please fill in [this form](#), and we will help your university to make printers accessible for students.

CANCEL

CONNECT TO WORKGROUP

- You should now see the four (4) 3D Ultimaker printers named 2-Day, 1-Day, 12-Hr & 6-Hr. (Notice your balance in the upper right-hand corner)

3DPrinterOS™  
Cloud 3D Printer Management

[MY PROFILE](#)
[UPLOAD](#)
[SEARCH](#)
[MY FILES](#)
[DASHBOARD](#)
[PRINTERS](#)
[DOWNLOAD](#)
[SUPPORT](#)

[TUTORIALS](#)

@LATECH.EDU  
**EDUCATION**  
BALANCE: \$100.00

ACTIVE PRINTERS
LIVEVIEW WALL

Register Dremel3D/Robo3D
INSTALL
+ MORE

Sort computers: Active printers ▼
Finished jobs stay here for 24 hours only, go to [dashboard](#) to see full history
Search by printer name

Computer 1 | os : Raspberry Pi | mac : 165166c507c28c2f | Local IP:138.47.74.178

2-Day Ultimaker 3 Extended
idle
U3E
Filament1: 95.95g
Filament2: 0g
21.4 °C
21.3 °C
16.33 °C
LIVE VIEW
TOOLS

Date / Time
Filename
Printed by
Filament
Cost
Print time
Status
Job ID

Computer 2 | os : Raspberry Pi | mac : 165166900a018946 | Local IP:138.47.74.181

1-Day Ultimaker 3
idle
U3
Filament1: 986.69g
Filament2: 997.82g
23.6 °C
23.2 °C
18.36 °C
LIVE VIEW
TOOLS

Date / Time
Filename
Printed by
Filament
Cost
Print time
Status
Job ID

Computer 3 | os : Raspberry Pi | mac : 165166030703155c | Local IP:138.47.74.184

12-Hr Ultimaker 3
idle
U3
Filament1: 97.03g
Filament2: 0g
25 °C
24.8 °C
19.56 °C
1 job
LIVE VIEW
TOOLS

Date / Time
Filename
Printed by
Filament
Cost
Print time
Status
Job ID

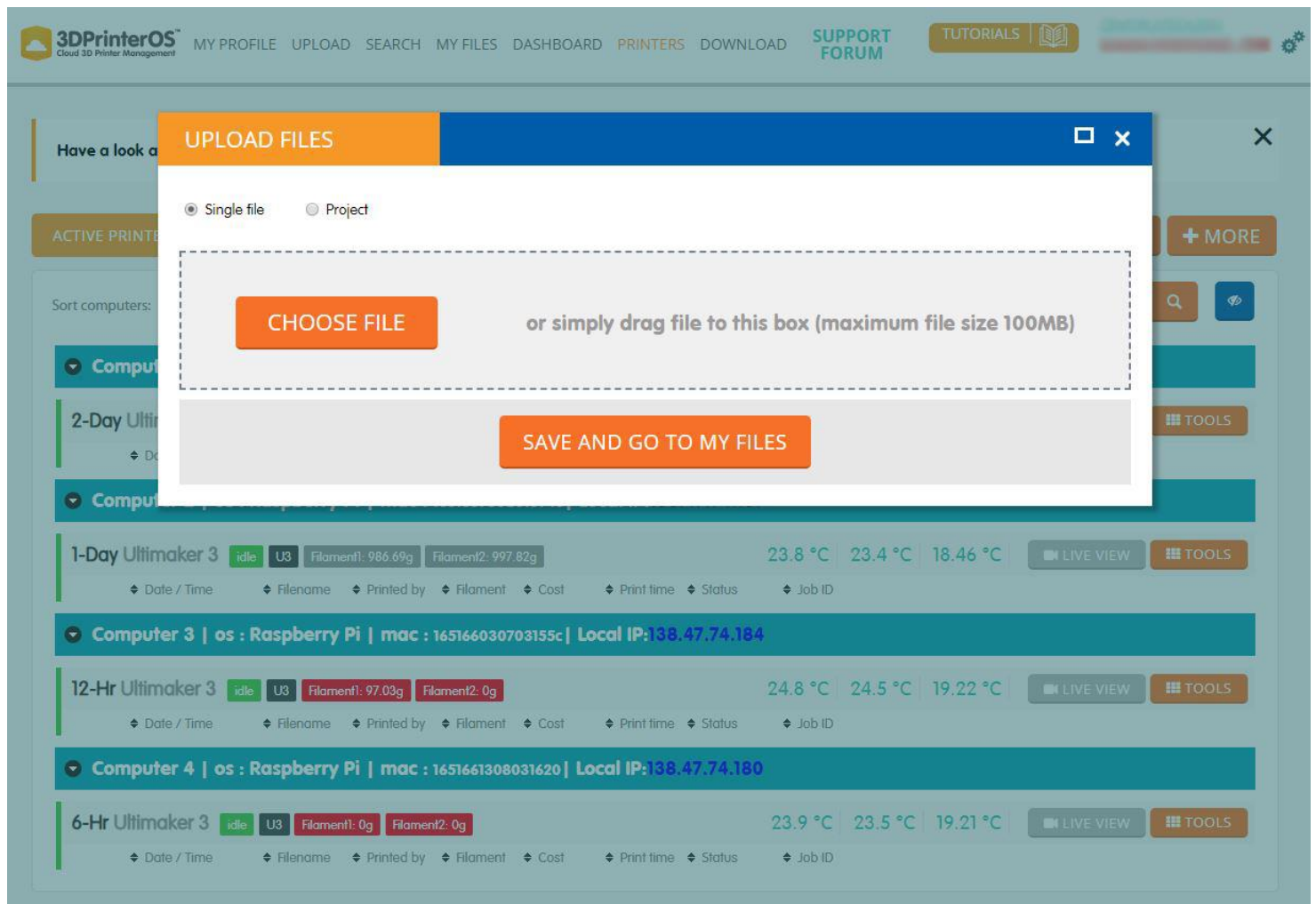
Computer 4 | os : Raspberry Pi | mac : 1651661308031620 | Local IP:138.47.74.180

6-Hr Ultimaker 3
idle
U3
Filament1: 0g
Filament2: 0g
23.9 °C
23.4 °C
19.24 °C
LIVE VIEW
TOOLS

Date / Time
Filename
Printed by
Filament
Cost
Print time
Status
Job ID



- Click on UPLOAD from the top menu bar to send your .STL file to print.



- A Lab Monitor will review your file and then print it for you. You will be notified via email for every step of the way (including getting a video link and video time lapse of your object being printed). Please pick up your object in a timely manner.