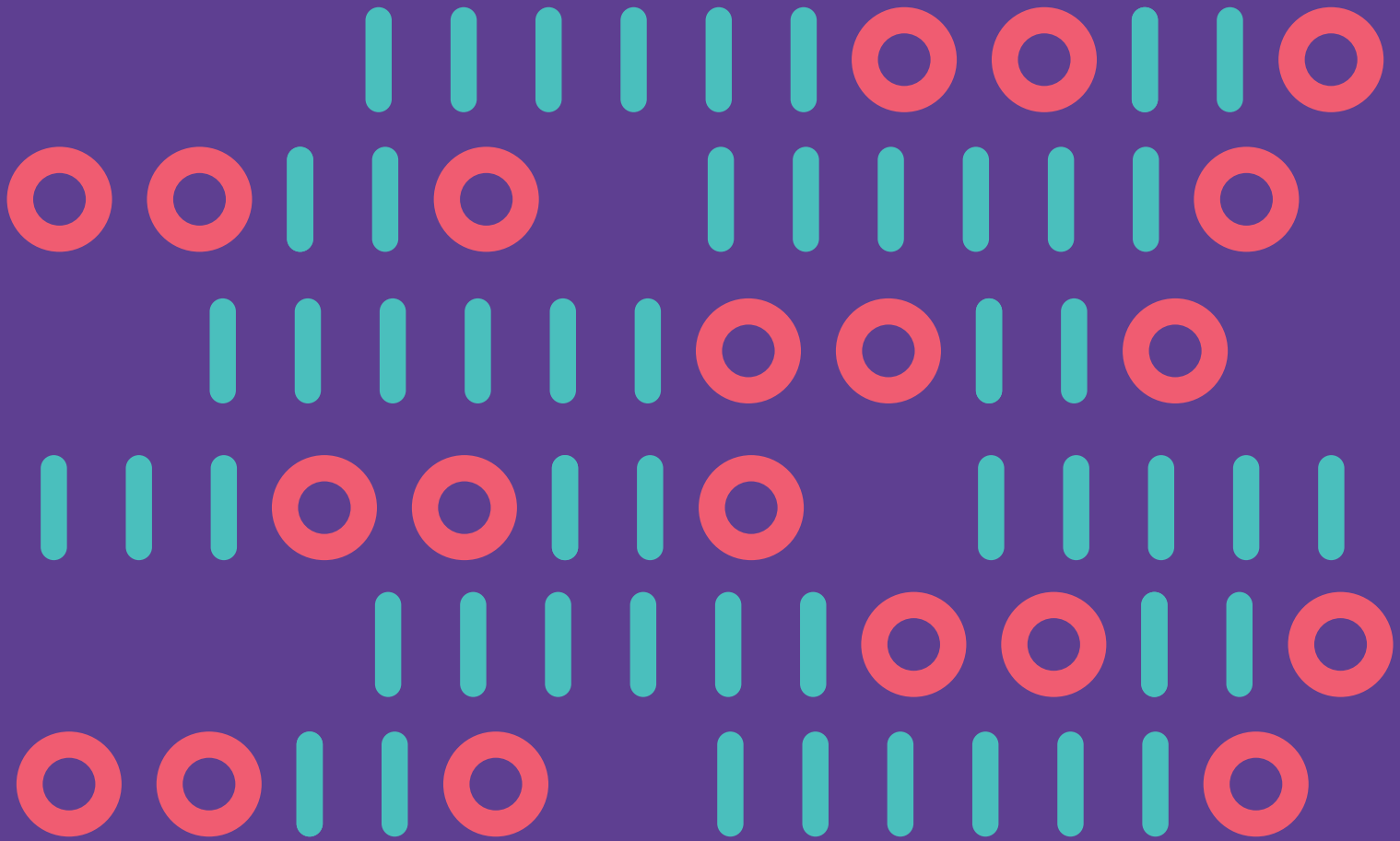


HOW TO MAKE ALMOST ANYTHING



FAB ACADEMY



admissions@fabacademy.org

FAB ACADEMY

PROGRAM 2022

5 month Program
January to June 2022

fabacademy.org

INTRODUCTION:

The Fab Academy program is a fast paced, hands-on learning experience where students learn rapid-prototyping by planning and executing a new project each week. Each individual documents their progress for each project, resulting in a personal portfolio of technical accomplishments.

At the Fab Academy, you will learn how to envision, prototype and document your ideas through many hours of hands-on experience with digital fabrication tools. The course consists of a 5-month part-time student commitment, from January to June each year. It consists of a distributed educational model whereby students learn in local workgroups and are then connected globally by content sharing and video for interactive classes.

Fab Academy runs in more than 70 Fab Labs, for more than 250 students per year in the largest campus of the world.



“At the Fab Academy, you will learn how to envision, prototype and document your ideas through many hours of hands-on experience with digital fabrication tools.”

Source: admissions@fabacademy.org

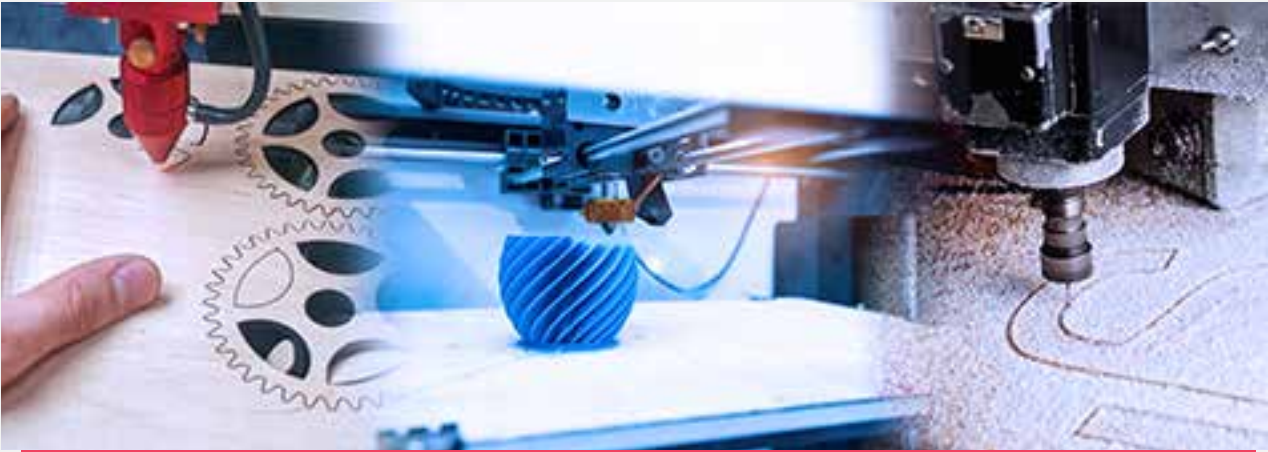


TechWorks

مفكرة الأفكار
إحدى مبادرات مؤسسة ولي العهد
A Crown Prince Foundation Initiative



 **FAB ACADEMY**



STUDENTS AT THE FAB ACADEMY LEARN:

- Project development and management
- Website development tools
- Version control protocols
- Modeling with 2D and 3D software
- Laser cutting
- Design and programming circuit boards
- Interpret and implement programming protocols
- Interpret and implement networking protocols
- The use of sensors and output devices
- 3D printing and scanning
- CNC machining in small and large scale
- Mold design, construction and casting
- Mechanical and machine design
- Integration of techniques into a final project

HOW IT WORKS

Each Fablab that participates in the Fab Academy program is part of a global Fablab network. These Fablabs (such as Techworks) are Nodes that offer the Fab Academy program at the same time.

In the program, students view and participate in global lectures broadcasted every Monday (recitation) and Wednesday (lecture) from 16:00 – 19:00 (Amman time). The lectures are recorded and available to students throughout the semester. In addition to the lectures, there are 2-3 lab days each week, where students have access to Techwork's digital fabrication equipment. Students will also get support and mentoring from Techwork's staff throughout the course. The number of expected hours for the course is 20 hours per week.

PROGRAM REQUIREMENTS

Everyone can take the Fab Academy course! Students sign up from a variety of backgrounds and age ranges, making the Fab Academy experience ever richer.

The Fab Academy is directed by Prof. Neil Gershenfeld (Director of MIT's Center for Bits and Atoms) and coordinated by Luciana Asinari (IAAC-Barcelona) with help from a number of collaborators.

WHO SHOULD JOIN FAB ACADEMY?

The FabAcademy Program is designed for all makers, innovators, students, and professionals that have an interest in digital fabrication and want to be part of the Global Fab Lab Network.

Fab Academy is open to potential students, both coming from technical and non-technical backgrounds. If you have a Low or Medium proficiency in 2D and 3D modeling, Digital fabrication, Electronics programming, Web design and, development, the course should be considered a full-time dedication program. It is very important that you understand the implications of the time commitment needed to complete the program successfully. All Fab Academy graduates will have the opportunity to participate in the Fab17 conference held in Bhutan free of charge.

If you are interested in taking the Fab Academy or wish to sponsor someone to take the course, please fill in the attached form (Form 1) and email it to info@techworks.jo with subject title "Fab Academy Program" by 30th November 2021

USEFUL LINKS

- What you'll learn:

<http://fabacademy.org/about/#what-you-ll-learn>

- Intro to students:

<http://fabacademy.org/students/students.html#introduction>

- Scholarships:

<http://fabacademy.org/apply/scholarships.html>

- Handbook:

http://fabacademy.org/2018/docs/FabAcademy-Handbook/01_introduction.html

FORM 1

Expression of Interest in Fab Academy 2022

FOR INDIVIDUALS:

I am interested in participating in the upcoming Fab Academy Program which will be held at Techworks facility at the King Hussein Business Park - Amman between January and June 2022.

Name:

Date of Birth:

Email:

Mobile:

Date:

FOR SPONSORS:

We, the undersigned would like sponsor ____ number of individuals / staff to partake in the upcoming Fab Academy Program which will be held at Techworks facility in the King Hussein Business Park - Amman between January and June 2022.

Company Name:

Contact Person:


Email:



Mobile:

Date:

If you need more information about the program, please feel free to email us at info@techworks.jo or visit us at Techworks for a free info session.

 King Hussein Business Park – Building 23

 07 9100 0110

   @techworkscpf