Specialization Courses

WEEKEND FORMAT

LCI Barcelona

Specialize without putting your career on hold

Our specialization courses are designed to help you strengthen your profile or give your career a boost, while building the in-depth skills that set you apart in an increasingly competitive market.

When you complete your course, you will earn a Specialization Diploma awarded by LCI Barcelona. Backed by the prestigious LCI Education international network, this qualification certifies specialized, practical skills in the subject area of each program.

Why choose LCI Barcelona?

- **A specialization that opens doors**
  A promotion, a career change, or a new opportunity, wherever you're starting from.
- **Balance your job and your studies**
  Classes on Friday afternoons and Saturday mornings, without setting aside your work week.
- **Intensive training with real impact**
  Learn from working professionals and apply what you learn to real projects.

Weekend schedule

All courses are held on Friday afternoons and Saturday mornings.

The best place to specialize

Our spectacular campus, located in the 22@ innovation district, has been recognized with the prestigious Prix Versailles for architecture as the most beautiful in the world. Covering 11,000 square meters, it offers sustainable facilities equipped with advanced technology.

3D Modeling and Printing for Digital Artists

About the course

Above all, art toys (also known as designer toys) are a creative form of expression that has blurred the lines between art, design, collecting, and the toys of our childhood. For more than 30 years, more and more artists and designers have explored this artistic path, which, among other things, makes collectible art more accessible by bringing works by great artists within everyone's budget through the serial production of these figures.

In this course, you will learn to create your own art toy, from developing the idea and the first sketches to 3D printing the figure and post-processing it. During the course, you will visit an art gallery specialized in art toys that collaborates with LCI Barcelona on several projects, to discover different styles and techniques and learn from the best.

After a first theoretical and creative introduction to the world of art toys, you will move into the development process, with 3D modeling in ZBrush as your main tool. You will learn to use the software and the workflow needed to create a 3D model, with both general tools for modeling any digital character and specific tips for 3D printing. Once your model is ready to print, you will print it at the school on our PLA filament printers and finish your pieces with professional post-processing.

Language	Spanish
Duration	40 hours
Format	On campus at LCI Barcelona
Schedule	Friday afternoons and Saturday mornings

Study plan

1. **CONCEPTUALIZATION**
You will investigate the creative possibilities of art toys, focusing on the message you want to express with your design and the audience you want to reach. You will see real examples and visit an art gallery specialized in the subject.

2. **LEARNING ZBRUSH**
You will find out why ZBrush is the leading program for organic 3D modeling and what makes its modeling system different from other programs. You will learn its interface and customize it for smoother handling, with character creation in mind.

3. **3D CHARACTER CREATION WORKFLOW**
You will learn the process for modeling your art toy: abstracting form with the first blocking, building continuity across the different elements of the figure with merging and retopology tools such as Dynamesh and ZRemesher, and using different brushes for the final detailing.

4. **PREPARING THE MODEL FOR PRINTING**
You will understand what model splits and joints are, why they are needed for printing, and how to create them optimally according to different criteria.

5. **3D PRINTING**
You will investigate the different types of 3D printing, weighing the pros and cons of hardware, printing materials, and post-processing. You will learn to use specialized slicing software, adjust the parameters your print needs, and operate filament 3D printers, along with the things to keep in mind when handling them.

6. **POST-PROCESSING**
You will see what a professional finish on a printed figure looks like, with specific tricks for PLA printing so your figure comes out perfectly.

7. **CURATION**
After visiting the gallery, its CEO will explain how to break into that world, its distribution, and the curation of an art toy exhibition.

The course includes

- Theoretical masterclasses explaining the different workflows and software you will need, taught by professionals with extensive industry experience.
- Guided practical classes, where you get familiar with ZBrush as well as the specific tricks for creating a character.
- Workshop classes, where you step away from the digital realm into the analog, hands-on world.
- A guided visit to an art gallery specialized in art toys.

Who it's for

- If you are a digital artist looking to specialize in 3D modeling.
- If you are a design or animation professional who wants to go deeper into advanced techniques.
- If you are an art student who wants to explore new technologies and applications in the field of 3D.

Admission requirements

You need basic knowledge of 3D.

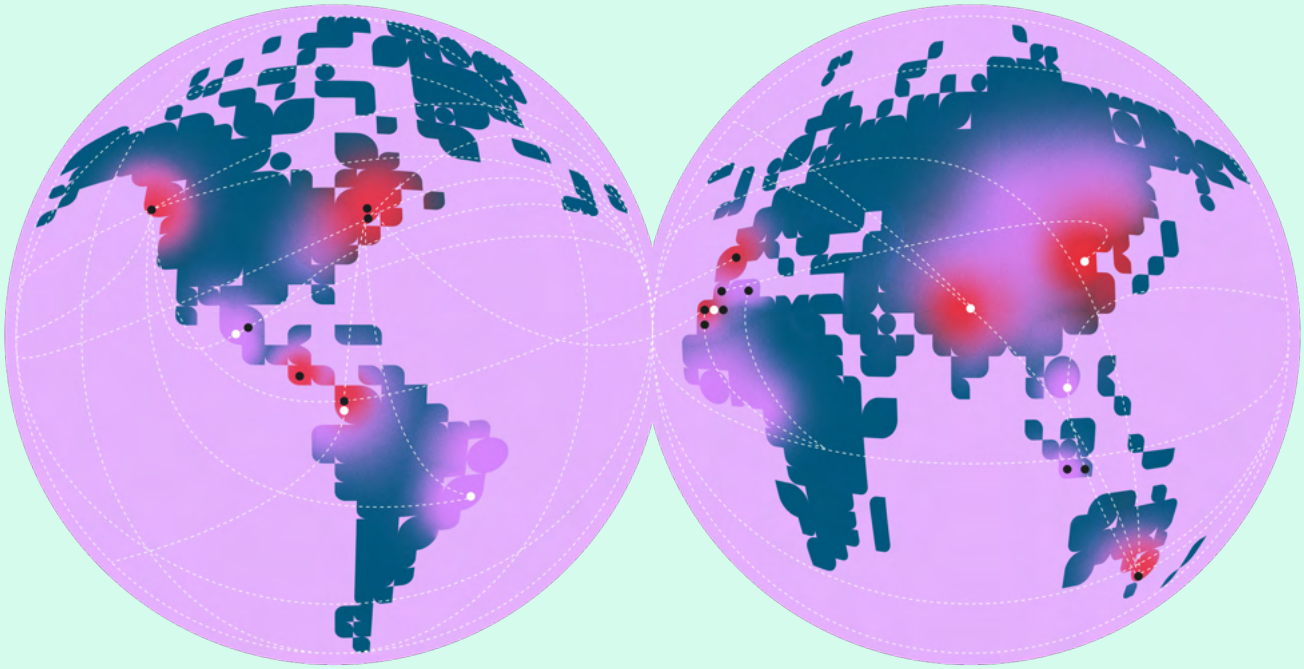
Instructor

Hugo Fernández Moya

3D generalist artist who has specialized in recent years in 3D modeling and, in particular, in modeling figures for printing. He has worked in video games, architectural visualization, advertising, and art.

His work in this last field includes 6Forest Studio, where he spent four years as a modeler, translating into 3D the creations of international multidisciplinary artists who have designed their own lines of characters.

LCI Education



The World is Your Classroom

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