

Tec students learn about digital construction in New York



Some of the activities carried out by students from Tec de Monterrey during an academic trip to the [University at Buffalo](#) in New York included learning about advances and **new tools** focused on digital construction.

*“We’ve been using the **Global Classroom** scheme for three years at the School of Architecture, Art, and Design, which means a Tec de Monterrey course is linked to an international university.*

*“In the case of this workshop, we’d already been collaborating with the University at Buffalo for some time via **Professor Christopher Rumano**, and it was he who helped us make this trip,” explained **Diego Rodríguez, Associate Dean of Faculty Development.***



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Among the digital construction tools students were able to explore was the **Water Jet** cutting machine capable of going through a variety of materials.

*“We had a demonstration of the tool, learned about its **software**, and how it accurately it can perform cuts on a steel beam.*

*“We were also able to learn about the functions of a robotic arm called **KUKA**, which is used to make construction more efficient by **assembling** panels and other functions,” shared **Juan Felipe Talamás**, a professor at the School of Architecture, Art and Design.*

“It was very interesting to see how architecture is incorporating these new manufacturing processes.” – Juan Felipe Talamás

A total of **13 students** from the **Monterrey campus** and 1 from the **Guadalajara campus**, all of whom are enrolled in the **Advanced Architecture concentration**, took part in the academic trip as part of Tec Week.

Tec Week is a Tec21 Model study unit in which students participate in an **immersive experience** that includes various activities focused on developing cross-cutting skills (social intelligence, communication, etc.).

Students also participated in a workshop on manufacturing using different materials at the university's [Smart Lab](#).



Descubren nuevas herramientas de construcción

In addition to the workshop, students also had the opportunity to make several visits to important architectural sites in the city, such as a house designed by the famous architect **Frank Lloyd Wright**.

They also learned about the [Southside Precast](#) company, which is renowned for using advanced technology in its constructions.

*“The students’ learning was highly focused on understanding how **mass digital manufacturing** is carried out.*

*“It was very interesting to see how architecture is incorporating these **new manufacturing, packaging, and construction processes**; it’s all a bit like a puzzle,” said Talamás.*

“We’ve been using the Global Classroom scheme for three years at the School of Architecture, Art, and Design.” - Diego Rodríguez

<https://www.instagram.com/p/DDhyTthzag6/?hl=es>

Preparing for collaboration agreement between institutions

Diego Rodríguez, Associate Dean of Faculty Development, explained that [Tec de Monterrey](#) is preparing to sign a **collaboration agreement** with the University at Buffalo.

*“We’re in the final stage of formalizing this collaboration agreement, which we hope to use to **develop** our relationship with the university.*

*“The agreement includes the possibility of academic exchanges for **students and professors** between both institutions,” he explained.*

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