


**Internship in Civil Engineering**  
**Technological Institute in Performance and Civil Construction**

<b>Supervisor</b>	Prof. Dr. Fernanda Pacheco
<b>Project</b>	<b>Materials performance and evaluation Construction materials</b>
<b>Description</b>	<p>This project is related to the development and evaluation of materials performance to be applied in civil construction, including cementitious materials, ultra-high-performance concrete, cross-laminated timber, and textile concrete, fire safety materials among others.</p> <p>It is worth mentioning that itt Performance is an institute related to materials performance, with more than 80 tests and analyses. More details could be accessed in: <a href="https://www.unisinos.br/itt/performance">https://www.unisinos.br/itt/performance</a></p> 
<b>Tasks</b>	<ul style="list-style-type: none"> <li>- Understand the mechanical behavior of different materials applied in civil construction.</li> <li>- Perform mechanical and durability tests, evaluating the results and considering their application in different scenarios.</li> <li>- Dosing concretes, design elements, and preparing samples for evaluation.</li> <li>- Write reports and papers with results from materials tests and analysis.</li> </ul>
<b>Requirements</b>	Students related to polytechnical areas (engineering, architecture, biology, among others)
<b>Language Skills</b>	English (Portuguese would be nice, but is not necessary).
<b>Duration</b>	4-6 months
<b>Possible Beginning</b>	February/March or July/August.
<b>Credits</b>	According to agreement
<b>Payment</b>	None