

BEFORE YOU GO WEEK

Get ROS Basics Ready (*OPTIONAL)

Course Duration: 30 hours

Location: Online

This week's course is optional. If you do not have any knowledge of ROS, or would like to enhance your ROS Basics knowledge, we recommend that you start the following courses online before the course week in Barcelona:

ROS BASICS IN 5 DAYS

• TF ROS 101

Within those courses, you will learn the fundamental concepts and tools to be able to understand and create basic ROS related projects.

You have permanent access to the courses above so you can learn or review ROS Basics at any time.



DAY1-DAY4

Suggested learning schedule





ROS BASICS IN 5 DAYS

Learn the fundamentals of ROS to understand and be able to program robots.

Start Learning

	Unit O - Introduction	
DAY1	Unit 1 - ROS Deconstruction	2,5 hours
	Unit 2 - ROS Basics	
DAY 2	Unit 3 - Understanding ROS Topics - Publishers	4 hours
	Unit 4 - Understanding ROS Topics - Subscribers & Messages	
DAY3	Unit 5 - Understanding ROS Services - Clients	5 hours
	Unit 6 - Understanding ROS Services - Server	
DAY 4	Unit 8 - Understanding ROS Actions - Clients	6 hours
	Unit 9 - Understanding ROS Actions - Servers	

DAY 5

Suggested learning schedule

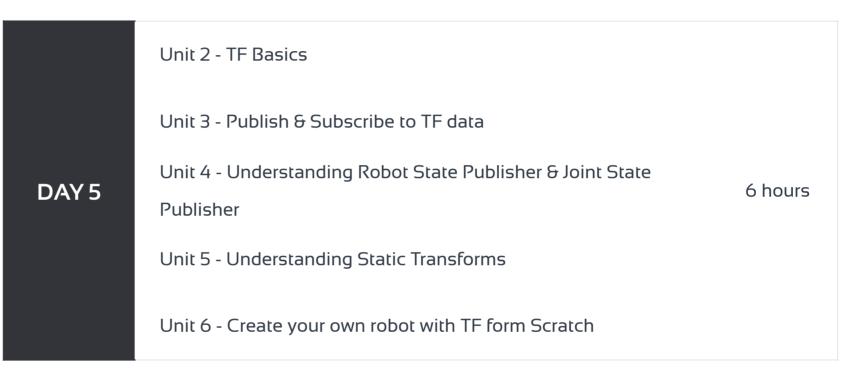




TF ROS 101

To finally understand TF and Robot State Publisher in ROS.

Start Learning



If you take this optional course, you will have **2 additional sessions of 30 minutes** of personal tutoring with one of the teachers. He will follow your ROS learning and support you remotely during this week.

You can email your tutor to make an appointment for your personal tutoring.



Ricardo Tellez

<u>rtellez@theconstructsim.com</u>