

URITC – RITEA Robotics Competition

We will be following FIRST Lego League general rules for the competition. See them at: <http://www.usfirst.org/firstlegoleague/community/fll/game.html>

Missions

1. Safety Cones – Move the safety cones from base and place them over the “X” on the three designated spots on the mat.
 - Any cone completely covering the center of an X so that it is not visible – 25 points each
2. Railway Train Moved – The train needs to be moved to a different location on the track
 - Move the train so its wheels are completely on the curved part of the track – 40 points
3. Hurricane Barrier – Raise the hurricane barrier before the storm hits.
 - Hurricane barrier in a vertical position – 50 points
4. Remove the Snow – Clear the runway of snow so planes can land and takeoff safely.
 - Push snow off runway completely to the end of the runway
 - Any snow touching past the gray line at the east end of the runway and still within the outer lines of the runway – 10 points each
5. Deliver Materials – Drop off two bundles of materials on the dock.
 - Deliver two bundles of materials to the dock so that they are on the dock and not touching any of the mat beneath or around the dock – 20 points each
6. Railroad Signal – Raise the railroad signal
 - Railroad signal raised to a vertical position – 20 points

Penalties

Robot Return Penalty for not returning to base – Up to 4 penalties. Snow will be removed starting with the snow closest to base.