



FTC Robotics

Course Overview

Fall 2018 - Spring 2019

General Information

Description

This is group develops innovation and problem-solving skills directly related to careers in Science, Technology, Engineering, and Mathematics through building and programming a small robot which competes with other robots to complete complex tasks. Throughout this course, students will gain an understanding of robotics and learn about the practical and industrial applications of robotics in today's era.

Prerequisites

No prior engineering experience is needed. However, creativity and a good attitude are a must.

Course Materials

Required Materials

Aside from a mobile phone, all required materials are provided.

- Registration
- Parts and other equipment

Course Schedule

Week	Topic		
1	Elemental Brainstorming/Conceptual Design	<ul style="list-style-type: none">- Introduce students to FTC scenario and restraints- Study video/data of past winners- Establish Team Roles	TBD
2	Brainstorming/Conceptual Design/Order Parts	<ul style="list-style-type: none">- Produce sketches/CAD- Develop comprehensive parts list- Order parts	TBD
3	Build		TBD
4	Build		TBD
5	Build		TBD

6	Build		TBD
7	Build		TBD
8	Build		TBD
9		TBD	TBD
10		TBD	TBD
11		TBD	TBD
12		TBD	TBD