

**WORKSHOP INFORMATION**

**WORKSHOPS LOCATION:
Umpqua Community College**

**June 27, 2015 Technology Center Rooms 119-120**

**Workshop Time:**

One Day Workshop - 8:30 am - 4:30 pm (Breakfast and Lunch Provided)

**OTHER USEFUL INFORMATION**

* All ORTOP FLL Workshops will utilize the EV3 Robot.
* Participants will work in small teams, 3 - 4 people, to build and program the EV3 robot.
* Workshops with less than 12 registered participants 24 hours prior to class may be rescheduled.
* **OPEN ONLY TO ADULTS.** No FLL team members are permitted to attend. Please do not bring FLL team members with you.
* *FIRST* Tech Challenge and *FIRST* Robotics Competition Teen Mentors are permitted to attend the ORTOP FLL Workshops.
* Workshops are provided at **no charge**, however, [donations to ORTOP](http://www.ortop.org/sd.htm) to defray our costs are always welcomed. Please consider donating $10 to help with our costs.
* Soda, coffee and water is also provided.
* Many handouts will be provided. Robot and laptop is made available for each workshop team to use during the workshop.
* Visit ORTOP for more details: <http://www.ortop.org/fll/index.htm>

**WORKSHOP DESCRIPTIONS:**

**Workshop I** - **Introduction to FIRST LEGO League** - 3 hours

Learn the basics of getting started in FIRST LEGO League, hand-on building an EV3 robot and learn some basic programming.

**Workshop II** - **Coaching and Mentoring Techniques** - 3 hours

Focus on specific parts of the FLL program - Robot Game, Project and Core Values, best practices for being a coach/mentor, continue to learn programming using robot built in Workshop I

**Workshop III** - **Robotic Techniques** - 3 hours

Focus on learning important programming and mechanical design techniques to teach skills to your team. Will use robot built in Workshop II.

**OneDay Workshops** - 8 hours

One Day Workshops condense the workshop material from Workshops I, II, III into a one day session. These workshop are primarily offered outside of Portland in communities close to FLL Qualifying Tournament sites. The list of cities scheduled changes each year.

**Click here to register:**

<http://www.signupgenius.com/go/10c0c48ada929a6f94-ortop2>