DUNWOODY COLLEGE OF TECHNOLOGY
HIGH SCHOOL ROBOTICS SEMINARS

SEMINAR OPTIONS:

BASIC ELECTRICITY & ELECTRONICS

Upon completion of this seminar, students will be able to describe and build simple circuits, utilize meters to test for shorts/opens and make proper electrical terminations.

SHOP SKILLS & HAND TOOLS

Upon completion of this seminar, students will be able to utilize various hand and shop tools to cut, file, drill and tap different materials used in the build process.

INDUSTRIAL ROBOTICS

Upon completion of this seminar, students will be able to describe how robots are used in the real-world. Students will be exposed to Fanuc 200i industrial robots and program simple instructions using the R-J3 Controller and teach pendant.

LABVIEW PROGRAMMING

Upon completion of this seminar, students will be able to utilize both front panel and block diagram instructions to create basic LabVIEW VIs. Students will be exposed to data types, Boolean functions, loops, math functions and compare instructions.

SOLIDWORKS DESIGN

Upon completion of this seminar, students will be able to perform 2D sketches using Solidworks, fully dimension these sketches and extrude and cut simple 3D features.

SATURDAY, NOVEMBER 2, 2019
8 a.m. – 12:15 p.m.

SATURDAY, DECEMBER 7, 2019
8 a.m. – 12:15 p.m.

REGISTER ONLINE | dunwoodyrobotics.eventbrite.com

(each seminar is limited to the first 10 students to RSVP)

SCHEDULE	SEMINAR & LOCATION
7:30–8:00 a.m.	Check In *Common Area*
8–10 a.m.	Basic Electricity & Electronics *Room Blue 63*
8–10 a.m.	LabVIEW Programming *Room Black 61*
8–10 a.m.	Shop Skills & Hand Tools *Machine Shop*
10–10:15 a.m.	Snack & Break *Common Area*
10:15 a.m.–12:15 p.m.	Basic Electricity & Electronics *Room Blue 63*
10:15 a.m.–12:15 p.m.	Solidworks Design *Room Black 61*
10:15 a.m.–12:15 p.m.	Shop Skills & Hand Tools *Machine Shop*
10:15 a.m.–12:15 p.m.	Industrial Robotics *Room Blue 63*

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