

nxtGEN TECH

High School Program



IIT School of Applied Technology
ILLINOIS INSTITUTE OF TECHNOLOGY

2014
Summer

Join us Summer 2014 for a program for high school sophomores, juniors and seniors (and technically advanced freshmen with IIT Staff approval) who are interested in next generation technologies and tools. Get a glimpse of the future of the Internet, computing, and the next wave of emerging technologies from Illinois Institute of Technology.

Choose individual courses, or take them all! Courses held in Chicago (July 7-24) and Wheaton (June 16-July 24).

1-Day Courses @ Main Campus: Chicago

Learning the Python Language via Team Programming — Mon, July 7
Build a Python bot with robotgame.net — Thurs, July 10
Intro to OS Virtualization, Configuration & Automation — Mon, July 14
Install of Gentoo Linux — Tues, July 15
Intro to Programming & Visual Design using Processing Language — Mon, July 21
Intro to Arduino & Wearable Computing — Tues, July 22
Creating a Sensor Network & Platform for Use in a High Altitude Weather Balloon — Wed, July 23
Using Arduino to Build a Solar Powered Clock & Environmentally Aware Bike Messenger Bag — Thurs, July 24

Pricing:

Single one-day course: \$40/each
3 or more one-day courses: \$25/each
All 14 one-day courses @ Rice: \$280
All 8 one-day courses @ Main: \$160
Single 2-day course: \$75/each
2 or more 2-day courses: \$50/each

2-Day Courses @ Main Campus: Chicago

Python Game Programming: Part 1 & 2
— Tues, July 8 & Wed, July 9
Learning Violent Python for White Hat Hackers: Part 1 & 2 — Wed, July 16 & Thurs, July 17

1-Day Courses @ Rice Campus: Wheaton

Intro to Programming & Visual Design using Processing Language — Mon, June 16
Intro to Arduino & Wearable Computing — Tues, June 17
Using Arduino to Recreate a Simon Style Game — Wed, June 18
Intro to Internet of Things (Wireless & Mesh Networking) — Thurs, June 19
Creating a Solar Powered Clock with Arduino — Wed, June 25
Creating a Visual Command Center with Arduino — Thurs, June 26
Build a Server and Install Linux, Unix or Windows — Mon, July 7
Intro to Linux OS — Tues, July 8
Intro to OS Virtualization, Configuration & Automation — Wed, July 9
Install of Gentoo Linux — Thurs, July 10
Learning the Python Language via Team Programming — Mon, July 14
Build a Python bot with robotgame.net — Thurs, July 17
Using Python to Understand & Defend Your Network — Mon, July 21
Team Python & Check.io — Thurs, July 24

Information & Registration

<http://techcamp.sat.iit.edu>

630.682.6000

Two locations:

Illinois Institute of Technology

Rice Campus

201 E Loop Rd, Wheaton

Main Campus

3440 S Dearborn St,
University Technology Park,
Chicago

2-Day Courses @ Rice Campus: Wheaton

Creating a Sensor Network & Platform for Use in a High Altitude Weather Balloon — Mon, June 23 & Tues, June 24
Python Game Programming: Part 1 & 2 — Tues, July 15 & Wed, July 16
Learning Violent Python for White Hat Hackers: Part 1 & 2 — Tues, July 22 & Wed, July 23

Courses meet from 9:00 AM to 4:00 PM.
Registration and availability are on a first-come basis. Students are responsible for their own lunch.
All programs take place at Illinois Institute of Technology and are led by IIT faculty members or staff with assistance from select IIT students.