

Code Louisville

Python Syllabus - May 2019

Summary of Requirements for Completion of Code Louisville

The following is a list of the requirements for successfully completing Code Louisville. If any of the items are not completed, you will not be considered a graduate of this course. Please be sure to ask any questions of Code Louisville staff if you have any concerns about completing the requirements.

1. Complete all Treehouse courses listed in each week below. This includes completing all quizzes and challenges, and earning all badges that Treehouse awards for completion. You will be added to the **Code Lou - Python - May 2019** track in Treehouse which contains all required courses for you to follow along with, or you can click the links in the document below to go directly to the courses. If you do not see the course added in Treehouse, please contact a staff member to be added. **You are strongly encouraged to complete the Treehouse courses by your meetup day**, as the topics covered may be discussed by your mentors. This may require starting the curriculum earlier than it is assigned.
2. Complete your personal project. This project must be completed by **Friday, July 26th at noon** and must fulfill every requirement listed in the Project Requirements document. The requirements and other Code Louisville information can be found on the [Student Resources Wiki](#). You should show your project to a mentor well before the due date to ensure requirements are properly met. A link will be sent out via Slack and email in the last two weeks of class. **You will 'turn-in' your project by completing this survey and providing your GitHub link to your project.**
3. Attend a minimum of 2 tech events where you meet others involved in technology. Check [LouisvilleTech.org](#) for a list of eligible events or check with Code Louisville staff if another event you're interested in isn't listed. After completing the event, message @shannonsiders on Slack or email her (shannon@codelouisville.org) and state which event you attended.
4. Attend your weekly meetups. You are highly encouraged to attend every single week, but **more than 3 absences** will result in being removed from the program. You must stay for the duration of class. If you need to leave early, please speak with staff prior to the start of class.

Class Location Info:

Where:

Wednesday Jefferson Community & Technical College

Technical Campus, **Building B**

727 W. Chestnut Street, Louisville KY 40203

Room: Library, 2nd floor

Note the address. This is **NOT the main campus** on Broadway and 1st Street that most people are familiar with.

[Here is what the building looks like](#)

You can [park in this lot](#) about a block away or if the gate is up, you can park even closer in [this lot](#) immediately next to the building. Finally, meters are available that are free starting at 6pm.

As you go through the main lobby of the building, there's a stairwell to your left. Go up to the second floor and continue down the hallway (it will turn a couple times) and room 206 will be on your right side. It has blue painted walls.

Thursday Code Louisville
252 East Market Street,
Louisville, KY 40202

Paid parking at meters (free after 6:00 p.m!) on Market or Floyd Street. Or alternately, in the parking lot of the [One Innovation Center](#). Their lot is available to us after 5pm, but you will have to walk around the block to get to our entrance.

Weekly Breakdown

Week	Dates	Treehouse Assignments (try and complete by day of class that week)
0	4/29 - 5/5	Get started early on Treehouse! Join your Slack channel
1	5/6 - 5/12	Python Basics Introduction to Anaconda (workshop) Jupyter Notebooks (workshop) Optional: Setting Up a Local Python Environment (Windows) Setting Up a Local Python Environment (Mac)
First week of classes. We will do introductions, get your environments set up, and learn a bit more about the language and platforms you'll be learning		
2	5/13 - 5/19	Introducing Lists Python Collections
3	5/20 - 5/26	Write Better Python Regular Expression in Python
4	5/27 - 6/2	Introduction to NumPy Introduction to pandas
Be thinking of your project ideas. Verify them with a mentor if you're not sure if they'll meet the requirements or if you think it might be too large of a task.		
5	6/3 - 6/9	SQL Basics
Don't forget to attend your two networking/tech events and report them to @shannonsiders on Slack		
6	6/10 - 6/16	Modifying Data with SQL Reporting with SQL

You should have your project in mind and started by now, even if just something small.		
7	6/17 - 6/23	Querying Relational Databases Introduction to Data Visualization with Matplotlib
Be sure to read the project requirements on the Student Resources Wiki to make sure your project is something that will meet all the requirements.		
8	6/24 - 6/30	No more Treehouse assigned - work on your projects!
9	7/1 - 7/7	Work on projects
<p>***NO CLASS ON THURSDAY*** Code Louisville's office will be closed due to the Independence Day holiday. Treehouse is still assigned. Any missed classroom content will be covered next week. Other class nights meet as-scheduled.</p> <p>Use this time to complete any remaining videos you have left and focus on your project.</p>		
10	7/8 - 7/14	Work on projects
Reminder again to get your two networking events in before the end of the session!		
11	7/15 - 7/21	Work on projects
<p>Test your project with someone else's computer to ensure you haven't missed anything that will prevent it from passing the requirements.</p> <p>Have a mentor review your project to ensure it meets the requirements.</p>		
12	7/22 - 7/26	Finalize and turn in your project
All Project due no later than July 29th at 12:00 (noon), sharp. Complete the form emailed out and posted on Slack to turn in your project.		

Treehouse must be complete as well and networking events must be attended and reported to @shannonsiders		
13+	August	Job Readiness Workshops, 1-on-1's, and Grad Mixer - see below

Graduation Mixer

Dates will be announced toward the end of the session.

This is an informal event to celebrate your success. It will be held at the Louisville Free Public Library main auditorium (same place where orientation was).

Post Graduation: Job Readiness Workshops!

Dates will be announced closer to the end of the session but will be offered in the weeks following graduation with multiple options to choose from.

In-Person:

★ Workshops

- **Where:** Code Louisville office
- **When:** 6-9pm, varying days will be offered to accommodate your schedules
- **What to bring:** laptop, current digital resume, and have a LinkedIn account set up
- **What we'll do:** Teach you everything we know based on techniques that actually work to support your job hunt!

In-person 1-on-1's with Student Success Coordinator

Dates will be announced closer to the end of the session but will be offered in the weeks following graduation.

★ 1 on 1 Review (Optional, but highly valuable and encouraged!)

- **Where:** Code Louisville

- **When:** In the weeks following your job hunt seminar, you will have an option for a 30-45 minute meeting with our Student Success Coordinator
- **What to bring:** You will receive this information along with the registration email. We will go over your resume, a sample cover letter, and LinkedIn profile. You should come with questions about your job hunt, resume, or other career questions
- **What we'll do:** A brief review and recommendations for your job hunt materials, some interview questions if you want them, and next steps in your learning and career path.