

CS 1411 Resources

Texas Tech Library - <https://www.depts.ttu.edu/library/>

- Lynda.com - <https://www.depts.ttu.edu/library/lynda/login.php>
 - Comprehensive set of video tutorials on many topics, such as Python
- Databases - <http://texastech-ml.hosted.exlibrisgroup.com/V/?func=find-db-1>
 - Ebook Central (Formerly Ebrary) - <https://ebookcentral.proquest.com/lib/ttu/home.action>
 - Available books can be checked out for 2 weeks at a time.
 - Safari Books Online - <http://proquest.safaribooksonline.com.lib-e2.lib.ttu.edu/>
 - Available books are more current than Ebook Central, but only 4 people at a time can be reading the book.
 - SpringerLink - <https://link-springer-com.lib-e2.lib.ttu.edu/>
 - Books and articles can be downloaded in pdf format.
 - Other databases of interest: ACM Digital Library, IEEE Xplore, JSTOR, SCOPUS (Elsevier)
 - Articles can be downloaded in pdf format.

Google Scholar - <https://scholar.google.com/>

The Learning Center

- Holden Hall, Room 80
- Monday through Thursday 8 AM – 8 PM, Friday 8 AM – 5 PM
- Online Tutoring: Monday through Thursday 7:30 PM – 10 PM
- <http://www.depts.ttu.edu/soar/lc/>
- http://www.depts.ttu.edu/soar/LC/Learning_Center_Tutoring_Schedule.pdf

Texas Tech and College of Engineering

- IT Help Central - <http://www.depts.ttu.edu/ithelpcentral/>, ithelpcentral@ttu.edu, 806-742-4357
- Remote Lab - <https://www.depts.ttu.edu/coe/dean/computing/remote-lab.php>
- Support – support.coe@ttu.edu, 806-742-3453
- The Learning Center - <http://www.depts.ttu.edu/soar/lc/>

Association for Computing Machinery – <https://www.facebook.com/groups/acmttu/>

- Programs for Freshman and Sophomores
 - Microsoft Explore Program – <https://careers.microsoft.com/students/explore>
 - Facebook University - <https://www.facebook.com/careers/university/fbu>

Software Development Club - <https://www.facebook.com/SDCTTU/>

- <https://github.com/TTUSDC>

Reference Material

- Google Python Style Guide
 - <https://github.com/google/styleguide/blob/gh-pages/pyguide.md>
- Grow Your Technical Skills with Google
 - <https://techdevguide.withgoogle.com/>
- Python 3.7.0 Documentation
 - <https://docs.python.org/3/>
- The Python Tutorial
 - <https://docs.python.org/3/tutorial/index.html>
- How to Think Like a Computer Scientist: Interactive Edition and HTML Edition

- <http://interactivepython.org/courselib/static/thinkcspy/index.html>
- <http://greenteapress.com/thinkpython/html/index.html>
- Christine Alvarado (UC San Diego), Zachary Dodds (Harvey Mudd), Geoff Kuenning (Harvey Mudd), Ran Libeskind-Hadas (Harvey Mudd), CS for All
 - <https://www.cs.hmc.edu/csforall/>
- Richard L. Halterman, Fundamentals of Python Programming, Southern Adventist University, 2017.
 - <http://computing.southern.edu/halterman/textbooks.html>
- Eric Matthes, Python Crash Course: A Hands-On, Project-Based Introduction to Programming, No Starch Press, 2015.
 - Available through the Texas Tech Library, use the Ebook Central database
- William Punch and Richard Enbody, The Practice of Computing Using Python, 3rd ed., Pearson, 2017.
 - Course textbook available from the TTU Barnes & Noble Bookstore
- Al Sweigart, Automate the Boring Stuff with Python, No Starch Press, 2015.
 - <https://automatetheboringstuff.com/>
- Carl Burch, C for Python Programmers, August 2011.
 - <http://www.toves.org/books/cpy/>

Python and IDE

- Online Python IDE/Interpreters
 - Execute Python 3 Online
 - https://www.tutorialspoint.com/execute_python3_online.php
 - Python.org shell
 - <https://www.python.org/shell/>
 - Python Tutor
 - <http://pythontutor.com/>
- Online Python Resources, Tutorials, and Problems
 - A Byte of Python
 - <https://python.swaroopch.com/>
 - Code Academy – Learn Python
 - <https://www.codecademy.com/learn/learn-python>
 - CodingBat
 - <http://codingbat.com/python>
 - Dive into Python 3
 - <http://www.diveintopython3.net/>
 - Five mini programming projects for the Python beginner
 - <https://knightlab.northwestern.edu/2014/06/05/five-mini-programming-projects-for-the-python-beginner/>
 - Full Stack Python
 - <https://www.fullstackpython.com/table-of-contents.html>
 - Google's Python Class
 - <https://developers.google.com/edu/python/>
 - How to Develop Quality Python Code
 - <https://districtdatalabs.silvrback.com/how-to-develop-quality-python-code>
 - Introduction to Programming Using Python 3, Daniel Liang, Self-Test
 - <http://www.cs.armstrong.edu/liang/py/test.html>
 - Interactive Python 3 Tutorial
 - <https://snakify.org/>
 - Learn to Code with Me
 - <https://learntocodewith.me/>

- Learn Python
 - <https://www.learnpython.org/>
- Learn Python the Hard Way
 - <https://learnpythonthehardway.org/python3/>
- Python Questions and Answers
 - <https://www.sanfoundry.com/1000-python-questions-answers/>
- Real Python
 - <https://realpython.com/>
- The Hitchhiker's Guide to Python!
 - <https://docs.python-guide.org/>
- <w3r>esource Python Exercises, Practice, Solution
 - www.w3resource.com/python-exercises/
- Welcome to Python for you and me
 - <http://pymbook.readthedocs.io/en/latest/>
- Python and IDLE IDE
 - <https://www.python.org/>
 - Download and install Python 3.7.0, comes with the IDLE IDE
- IP[y]: IPython Interactive Computing
 - <https://ipython.org/>
 - Open source, more features than the IDLE IDE
 - Install
 - `python -m pip install --upgrade pip`
 - `pip install IPython`
 - `python -m IPython`
- PyCharm
 - <https://www.jetbrains.com/pycharm/>
 - Community Edition
 - <https://www.jetbrains.com/pycharm-edu/>
 - PyCharm EDU
- Wingware
 - <https://wingware.com/>
 - Personal Edition