



WASTC 2019 Faculty Development Weeks

Introduction to Dancing with Python for Instructors

Dates: In Person, June 24 - 28, 2019 Coastline Community College, Garden Grove CA

Target Audience: This course is for you if you ...

- want a simple and easy to learn first programming language.
- to aligned to the C-ID ITIS 130 Introduction to Programming Concepts and Methodologies course
- are in IT and want to learn the scripting language for systems management.
- are interested in data science, automation and AI.

Workshop Overview:

Learn how to use Cisco Academy's Python courses in your introductory software development and computer science courses like ITIS 130. See what has made Python's popularity grow and take over the programming dance floor. Refresh your memory on data types, Boolean logic, and decision/control/loop/ structures using flowcharts which automate code. Discover how to utilize Python's unique structures of lists, tuples and dictionaries with NoSQL for basic I/O. Gain an introduction to cloud-based design environments (AWS Educate), object oriented methods, event handling and unit testing, and be ready to teach ITIS 130 with a taste of more you could do..



Instructor: Matthew Cloud



Instructor/Trainer: As an undergraduate at Texas A & M, Matthew created a company, Cloud Technologies, building systems ranging from Positron Emission Tomography calibration to logistics systems for the 2nd layer of the US network in the late 90's, to turning in 2008 towards understanding the network of the human brain as a biomedical engineer (MS) to help those with Stroke, TBI, pain, PTSD or ADHD recover. For four years prior to his current role, he was Director of a DOL grant defining the IT Pathways over the School of IT at the State level of Ivy Tech CC of Indiana with over 22,000 IT students and 150 faculty. Currently, as the IT Department Chair for the Ivy Tech Lake County campus he also serves as State Vice-Chair for CS, IN K12 IT and CS DOE Committees and Governors Cybersecurity

Council, Global Advisor for CISCO Academy and NetAcad 4 Diverse Abilities. He also took ballroom dancing in college.



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