Summer 2022
Coding Institute
June 6 - July 1, 2022, VIRTUAL

The ADMI Coding Institute is focused on High Performance Computing development for undergraduate and graduate students. The program is presented as short tutorials alternated with practical exercises.

Week 1
On-boarding students; Develop non-technical skills and Basic Technical skills
- Unix commands
- GitHub
- Coding in Python with Jupyter Notebooks
- Professional Development Workshops

Week 2
Provide instruction on HPC using Python
- Intro to Scientific Computing, Computational Thinking
- Pseudo coding the SIR model
- Jupyter Notebooks
- Software Engineering and Design
- Containers - Flask and Redis

Week 3
Apache Arrow software ecosystem (Arrow, Ibis, dplyr)

Week 4
Student Projects with Apache Arrow software ecosystem

Selected Participants receive a stipend of $2,000.
Application can be found at: https://admiusa.org/