

Week

1

2

3

4

5

6

7

8

9

10

Research activities

Problem exploration and
research plan
formulation

Design and
implementation of data
acquisition and
processing framework

Data acquisition and
processing for target
applications

Data analysis, data
visualization, and
interpretation

Dissemination and
external feedback

Student deliverables

Lightning talks – layout
research ideas and goals
to faculty members and
students

Preliminary written
technical report

Wrap-up talks – detail
research findings and
challenges to faculty
mentors and students

Final technical report;
Presentation: Undergrad
Research Symposium

Workshops

Deep reading and
attention to promote
critical engagement with
research literature

Acquiring data from
everyday spaces with
social impact and ethical
considerations

Using argument
diagrams, concept maps,
and other visual
approaches to promote
critical thinking

Narrative moves for
telling your research
story across media

Breaking communication
barriers between
disciplines

Informal course sessions

Research fundamentals

Research ethics

Human subjects
in research

Technical writing

Growing a research
network

What to expect
in graduate school

Finding and applying
to grad school

Grant writing - Graduate
Research Fellowship

Community outreach

Global competency and
opportunities