PEDDIE

COMPUTER SCIENCE CURRICULUM PATHWAYS

INTRO CS (PYTHON)
(1–3 Terms)

HONORS CS
(Full-Year)

**ALGORITHMS &
DATA STRUCTURES**
Post-AP
Computer Science

CS SEMINAR/RESEARCH
Additional years of
mentored projects to
explore CS interest areas

Introduction to
Computer Science
(Fall)

Honors Computer
Science*

(Full-Year)

Algorithms &
Data Structures I
(Two Terms,
Fall/Winter)

Seminar in
Computer Science I
(Two Terms,
Fall/Winter)

Research in
Computer Science I
(Two Terms,
Fall/Winter)

Data Science I
(Winter)

Data Science II
(Spring)

Algorithms &
Data Structures II
(Spring)

Seminar in
Computer Science II
(Spring)

Research in
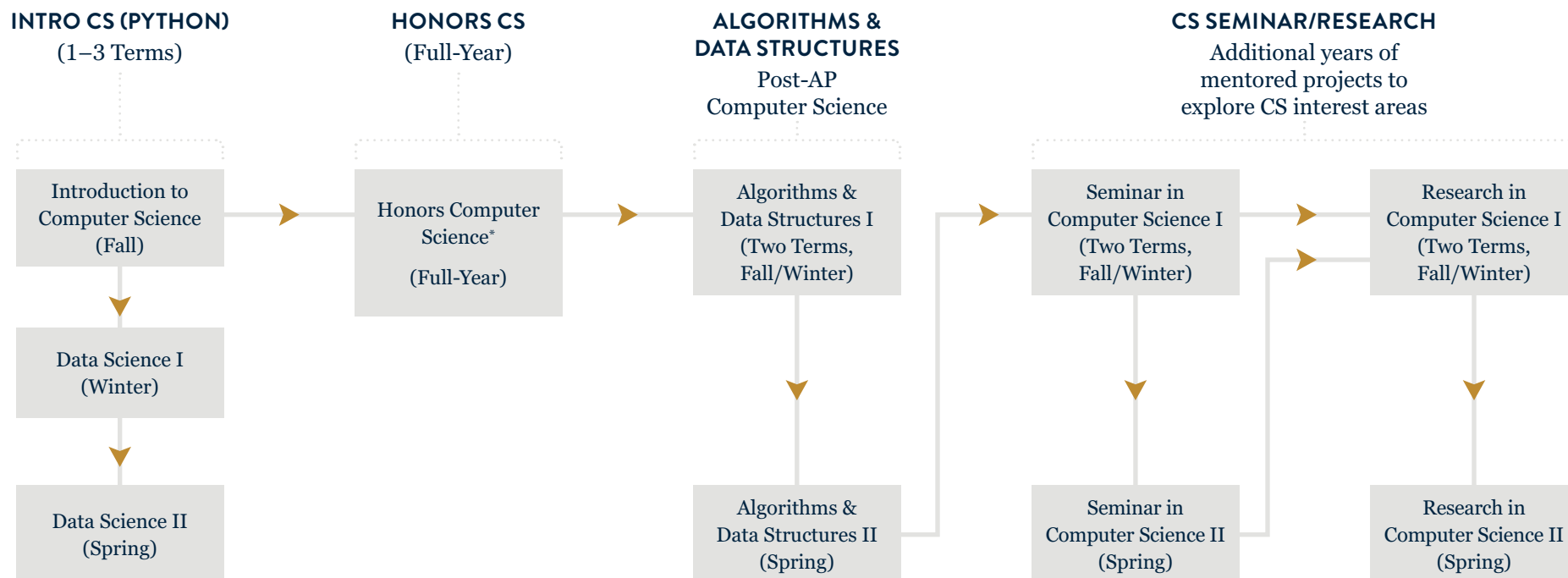Computer Science II
(Spring)

COMPUTER SCIENCE SIGNATURE EXPERIENCE (CS-EXP)

CS-EXP is designed to help students develop their passion for research and to encourage them to consider a career in Computer Science-related fields. This program helps students to conduct genuine CS research and develop the intellectual curiosity and courage that comes from working in a corporate or academic laboratory setting. Interested students will apply to the program during the winter term of their sophomore year.

SEQUENCE

Students are placed into courses where they will be appropriately challenged and, based on our expertise, will have the best possible computer science experience. In some cases, with the permission of the department chair, the pathway may differ from above to best meet the needs of a student.

NOTES

- Honors Computer Science requires some prior programming experience or the permission of the math department.