Begin: Familiar with Digital Circuits

- Review of Digital Circuits Chapters 1-2
- Computer Performance Chapter 4
- Computer Technology Chapter 3

Procedures and Data Chapter 6

- A Simple ISA Chapter 5
- ISA Extensions & Variations Chapters 7-8

Multiplication & Division Chapter 11

- Numbers, Addition, & ALUs Chapters 9-10
- Floating-Point Arithmetic Chapter 12

Data Path & Control Chapters 13-14

- Pipelining Chapters 15-16

Main Memory Chapter 17

- Cache & Virtual Memory Chapters 18, 20
- Mass Memory Chapter 19

I/O Devices Chapter 21

- I/O Programming & Buses Chapters 22-23
- Interrupts Chapter 24

Vector & Array Processors Chapter 26

- High-Performance Systems Chapter 25
- Multiproc. & Multicomp. Chapters 27-28

End: Know Basics of Computer Architecture

Roadmap for B. Parhami’s Textbook on Computer Architecture

The Heart of Computer Architecture