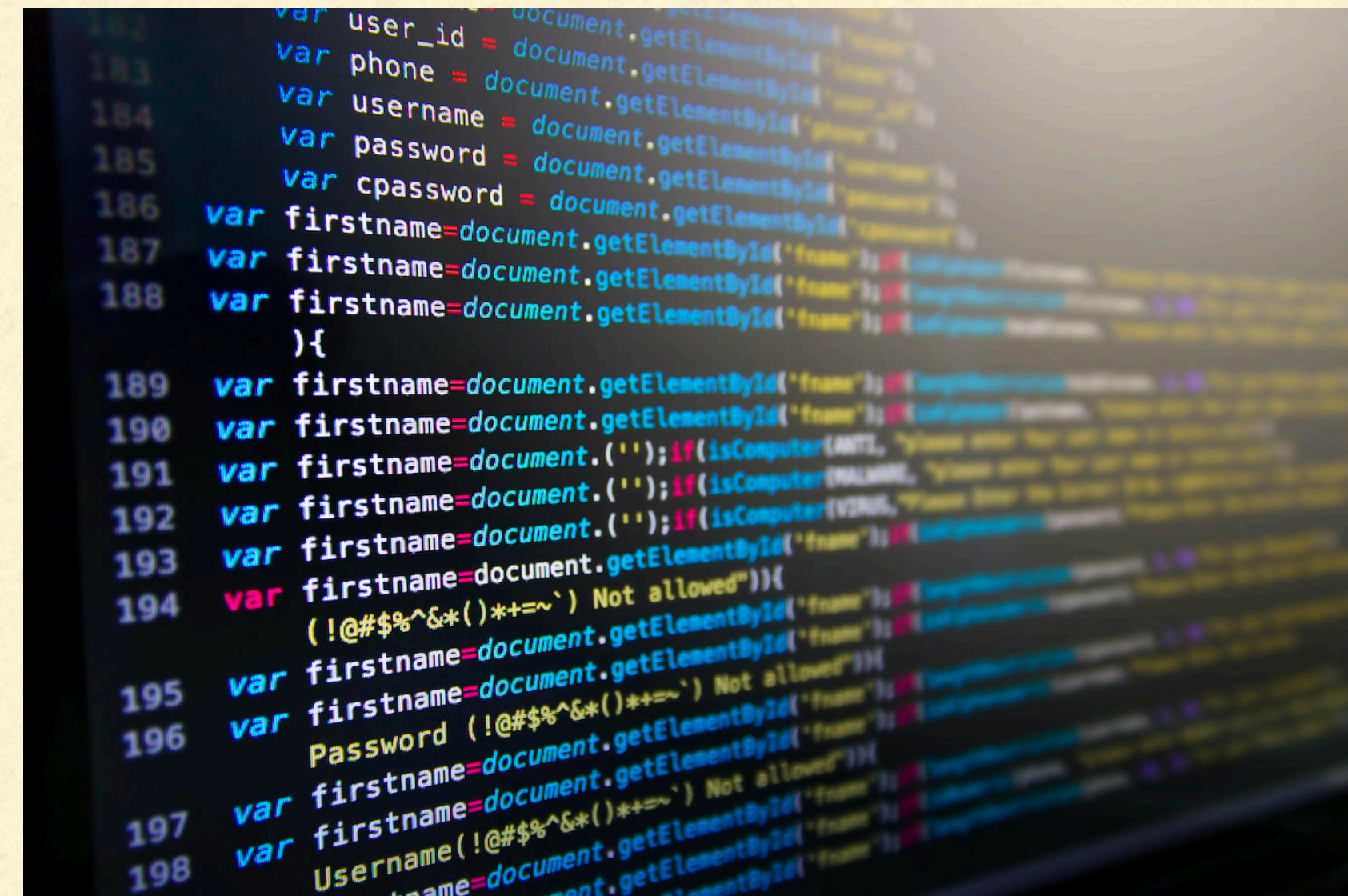# SYSTEMS COURSES

Computer Systems

The Fundamental building blocks
of all computer applications

Basic Programming

CPSC 100 (C, Python)
CPSC 110   (Python)
CPSC 112   (Java)

Basic Programming

CPSC 100 (C, Python)

CPSC 110 (Python)

CPSC 112 (Java)

Comp. Sci. Fundamentals

CPSC 200 (Python)

CPSC 201 (Racket)

By...navinkumardhoprephotography.com

Basic Programming

CPSC 100   (C, Python)

CPSC 110   (Python)

CPSC 112   (Java)

Comp. Sci. Fundamentals

CPSC 200   (Python)

CPSC 201   (Racket)

Inter. Programming
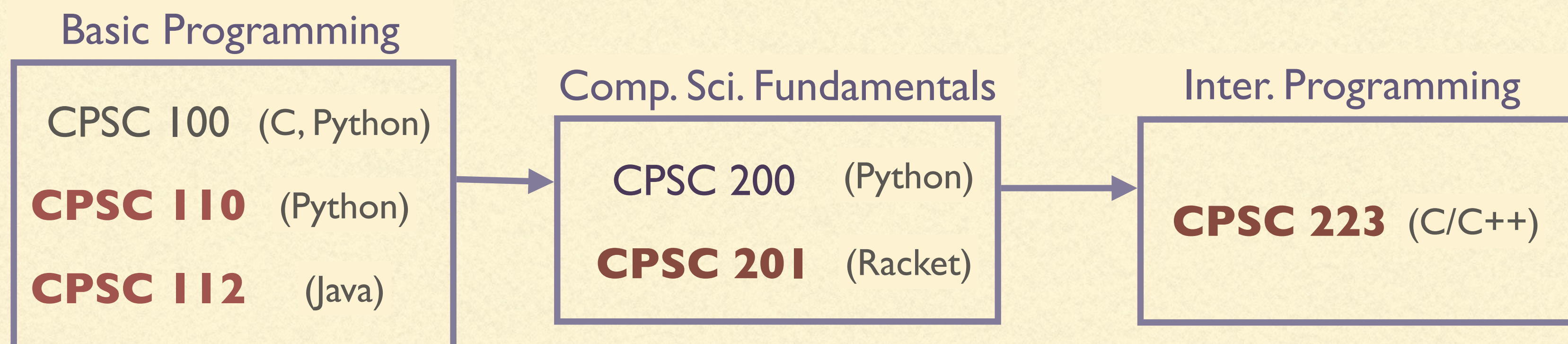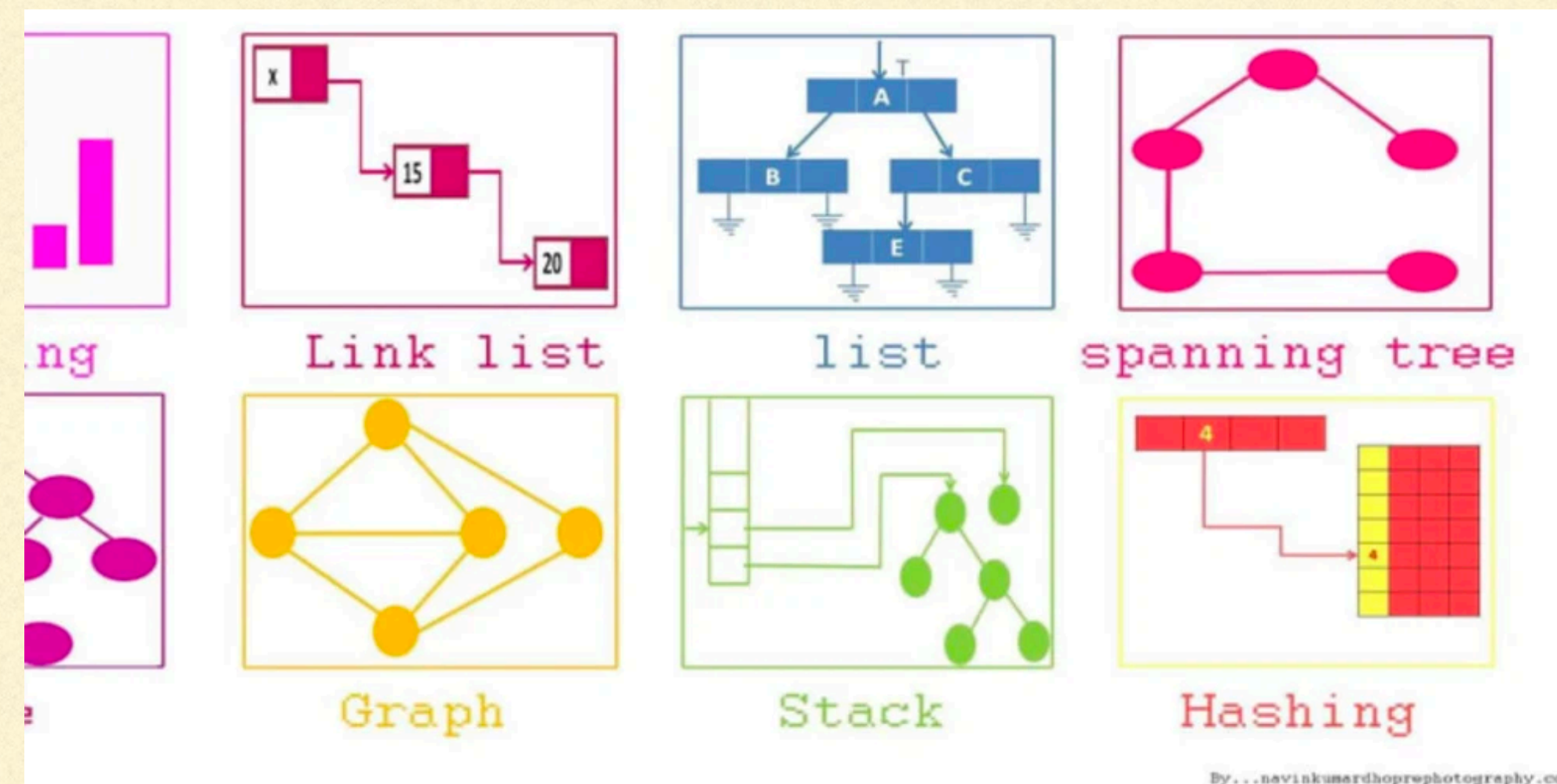
CPSC 223 (C/C++)

* **Bold brown** courses are offered in Spring 2024

Evolution of Computer Systems

Basic Programming

CPSC 100 (C, Python)

CPSC 110 (Python)

CPSC 112 (Java)

Comp. Sci. Fundamentals

CPSC 200 (Python)

CPSC 201 (Racket)

Inter. Programming

CPSC 223 (C/C++)

Intro. to Systems

CPSC 323

Basic Programming

CPSC 100 (C, Python)

CPSC 110 (Python)

CPSC 112 (Java)

Comp. Sci. Fundamentals

CPSC 200 (Python)

CPSC 201 (Racket)

Inter. Programming

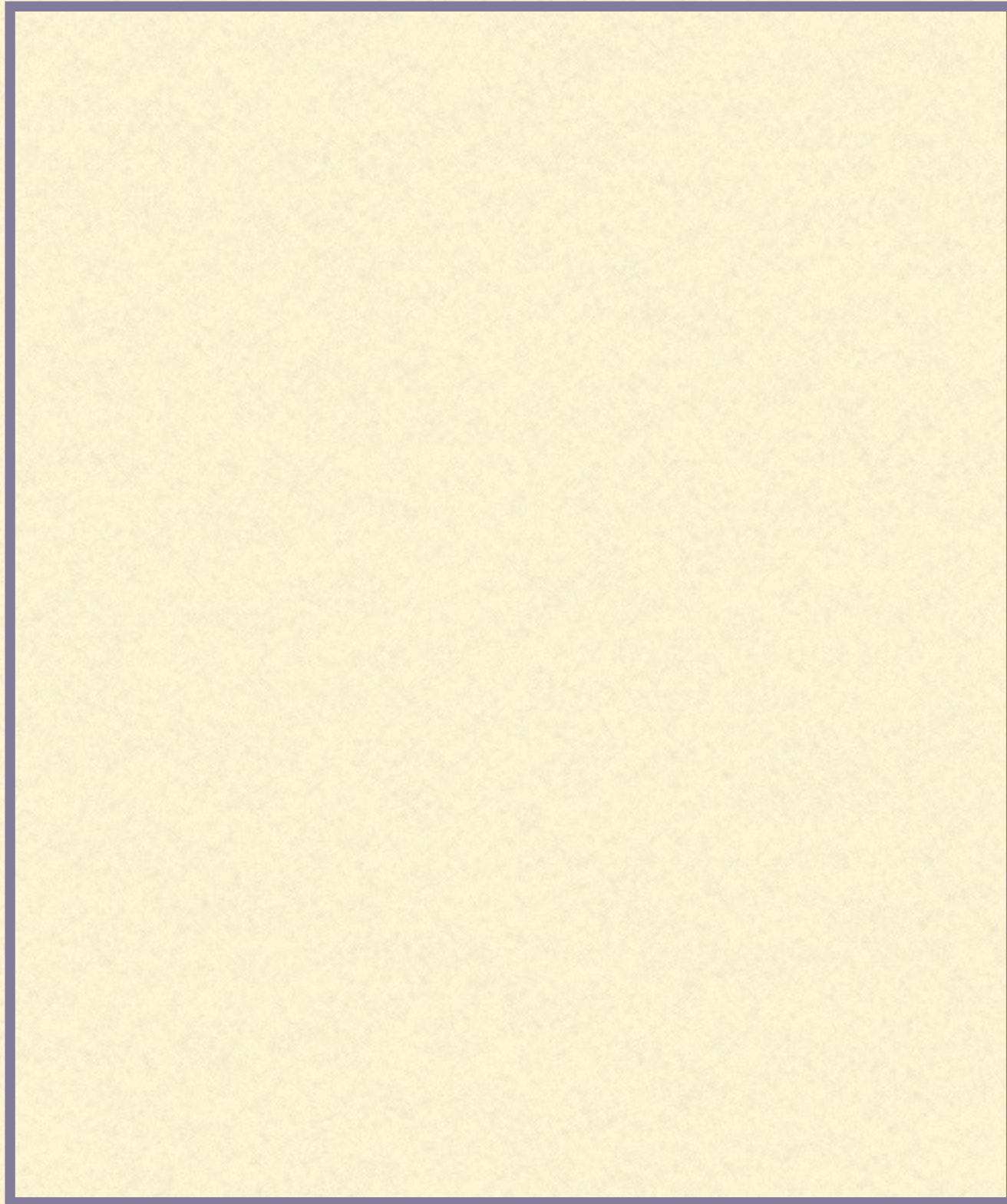**CPSC 223** (C/C++)

Intro. to Systems

CPSC 323

* **Bold brown** courses are offered in Spring 2024

Programming & Software

Programming & Software

C & Linux   (**175**)

Prerequisite
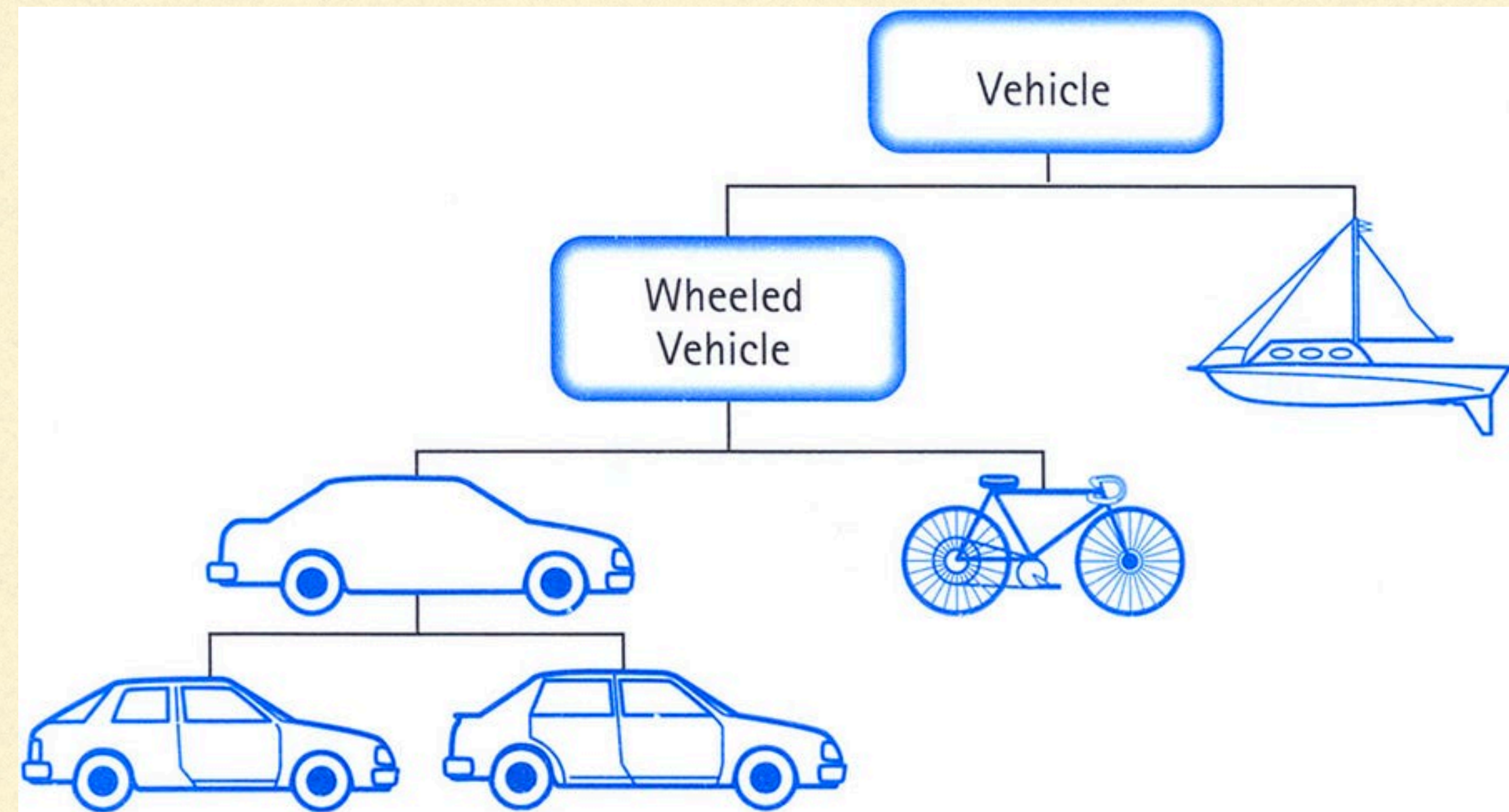
CPSC 100   CPSC 110   or   CPSC 112

Programming & Software

C & Linux   (**175**)

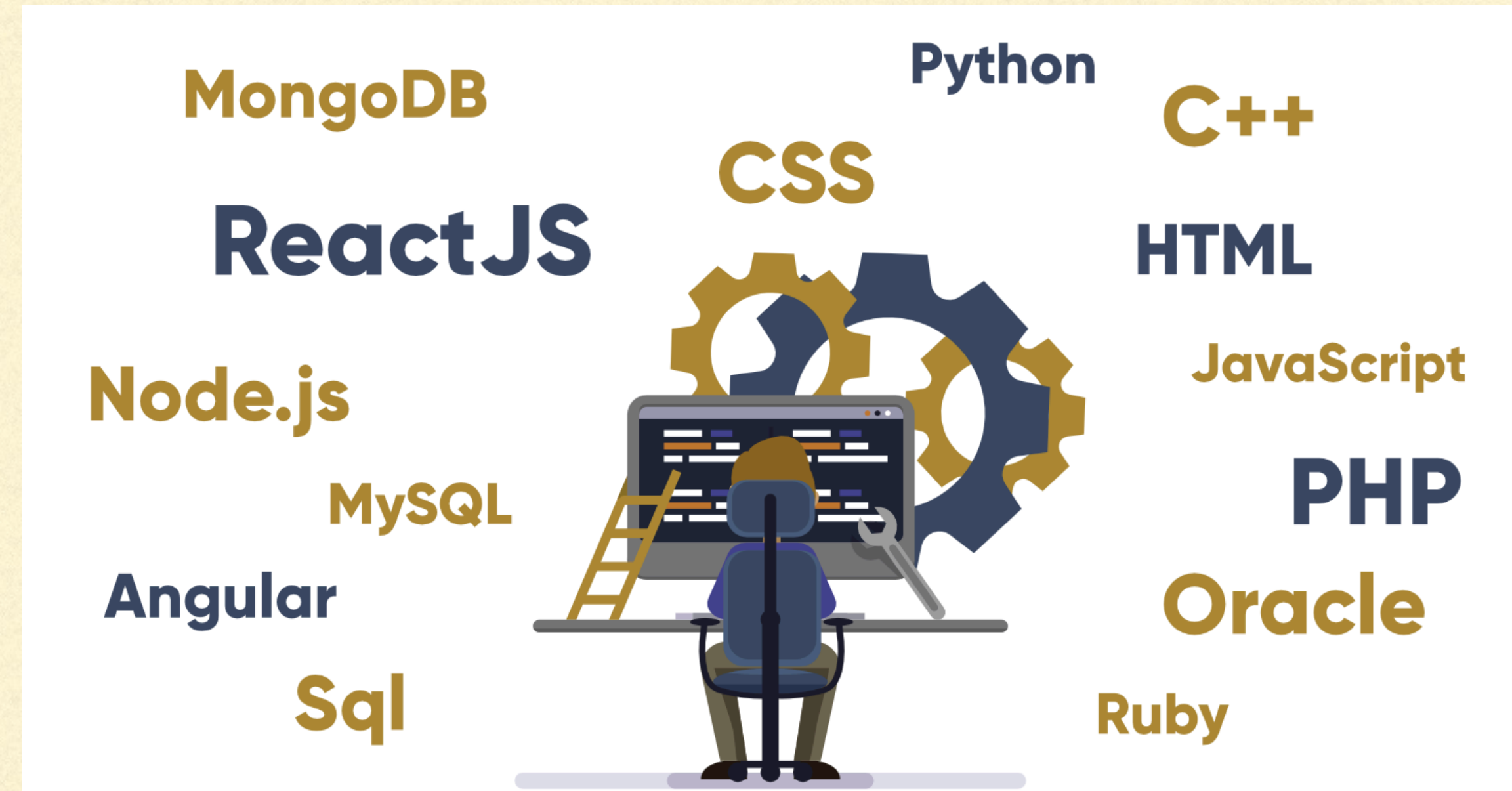Object Oriented   (**327**)

Prerequisite

CPSC 223

Programming & Software

C & Linux   (**175**)

Object Oriented   (**327**)
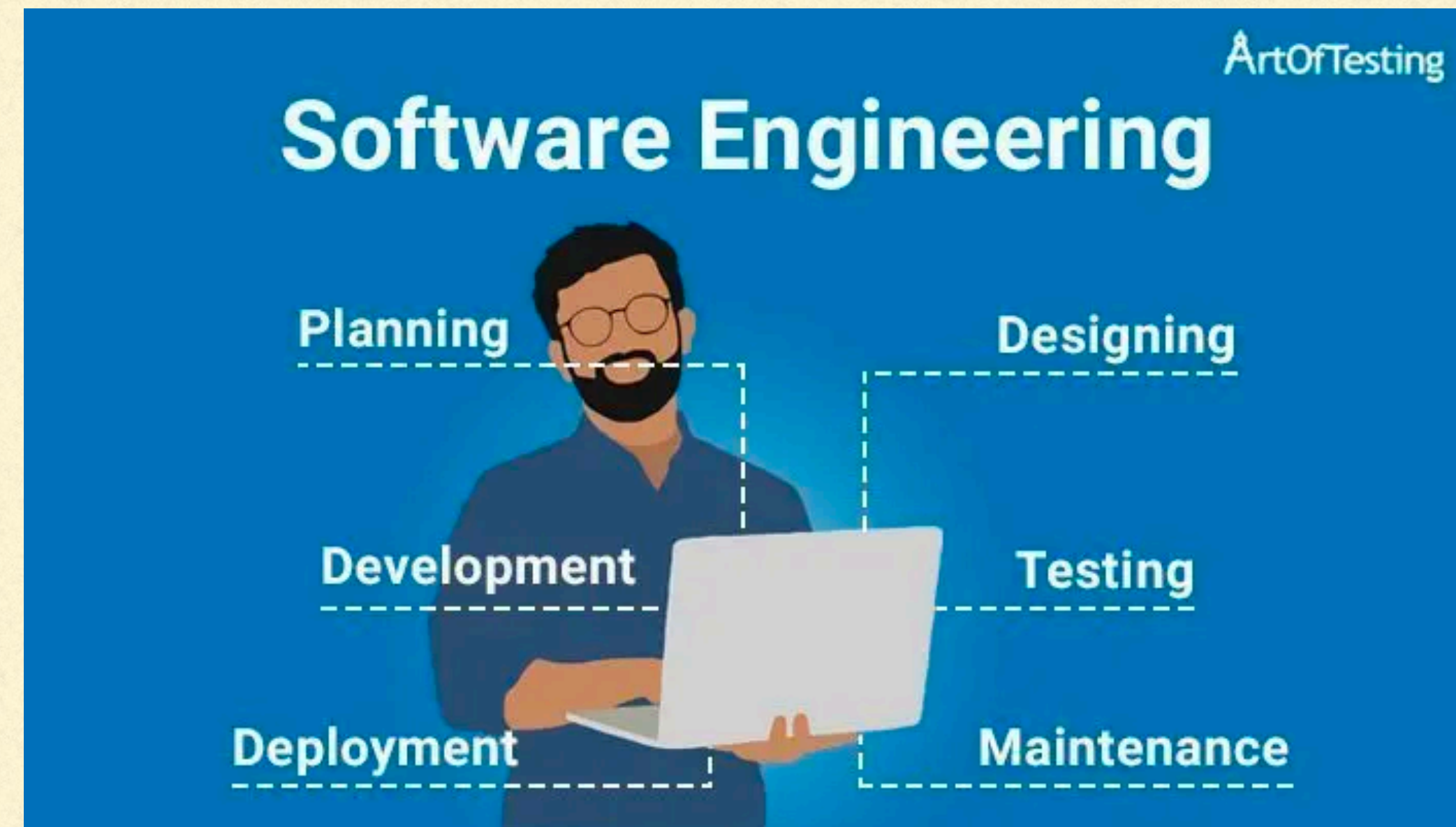
Full Stack   (**419**)

Prerequisite

CPSC 223

Programming & Software

C & Linux	**(175)**
Object Oriented	**(327)**
Full Stack	**(419)**
Software Eng.	**(439)**

Prerequisite

CPSC 323

Programming & Software

C & Linux **(175)**

Object Oriented **(327)**

Full Stack **(419)**

Software Eng. **(439)**

Low-Level Systems

Programming & Software

C & Linux **(175)**

Object Oriented **(327)**

Full Stack **(419)**

Software Eng. **(439)**

Low-Level Systems

Architecture **(338, 420)**

Prerequisite

CPSC 338:   EENG 201

CPSC 420:   CPSC 202   CPSC 223   CPSC 323

Programming & Software

C & Linux	(**175**)
Object Oriented	(**327**)
Full Stack	(**419**)
Software Eng.	(**439**)

Low-Level Systems

Architecture	(**338**, **420**)
Compilers	(421)

Prerequisite

CPSC 323

Programming & Software

C & Linux	(**175**)
Object Oriented	(**327**)
Full Stack	(**419**)
Software Eng.	(**439**)

Low-Level Systems

Architecture	(**338**, **420**)
Compilers	(421)
O.S.	(**422**)

macOS **Monterey**

Prerequisite

CPSC 323

Programming & Software

C & Linux	(**175**)
Object Oriented	(**327**)
Full Stack	(**419**)
Software Eng.	(**439**)

Low-Level Systems

Architecture	(**338**, **420**)
Compilers	(421)
O.S.	(**422**)
Networks	(**433**, 434)

Prerequisite

CPSC 323
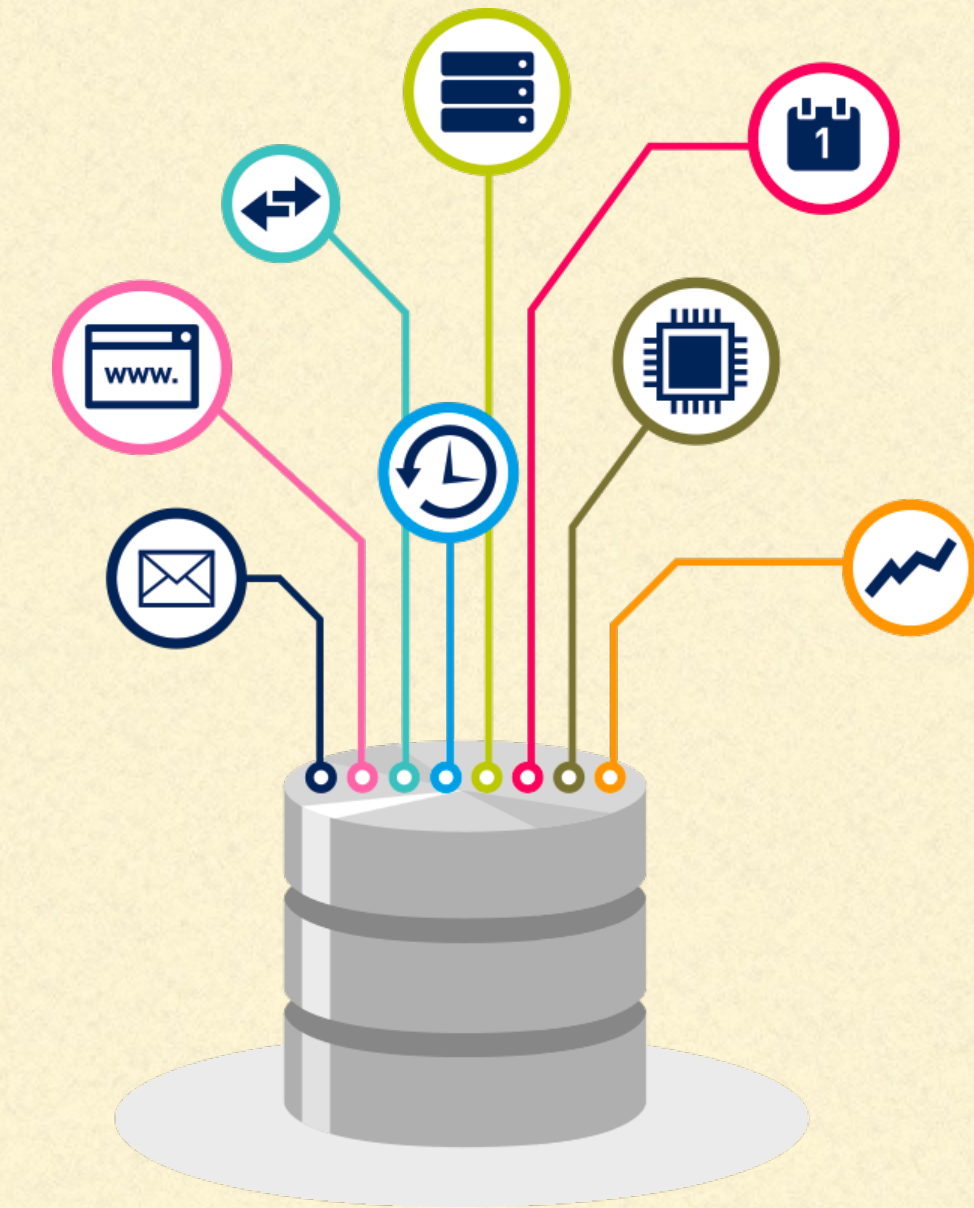
Programming & Software

C & Linux	**(175)**
Object Oriented	**(327)**
Full Stack	**(419)**
Software Eng.	**(439)**

Low-Level Systems

Architecture	**(338, 420)**
Compilers	(421)
O.S.	**(422)**
Networks	**(433**, 434)
Database	**(437**, 440)

Prerequisite

CPSC 323

Programming & Software

C & Linux	(**175**)
Object Oriented	(**327**)
Full Stack	(**419**)
Software Eng.	(**439**)

Low-Level Systems

Architecture	(**338**, **420**)
Compilers	(421)
O.S.	(**422**)
Networks	(**433**, 434)
Database	(**437**, 440)
Distributed System	(**362**, 426, 465)

Prerequisite

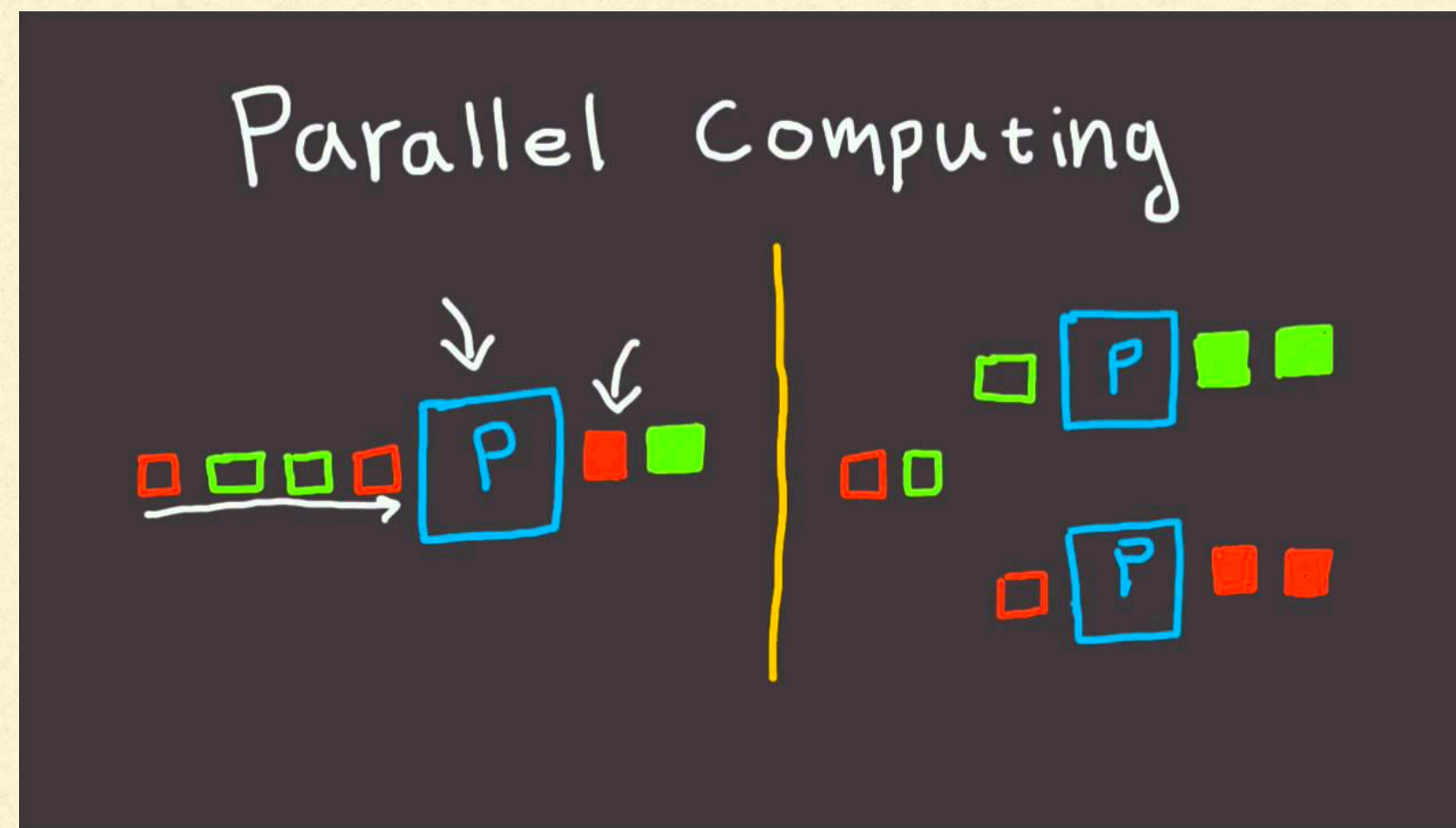|	
CPSC 362:	CPSC 202
CPSC 426:	CPSC 323
CPSC 365:	CPSC 365

* **Bold brown** courses are offered in Spring 2024
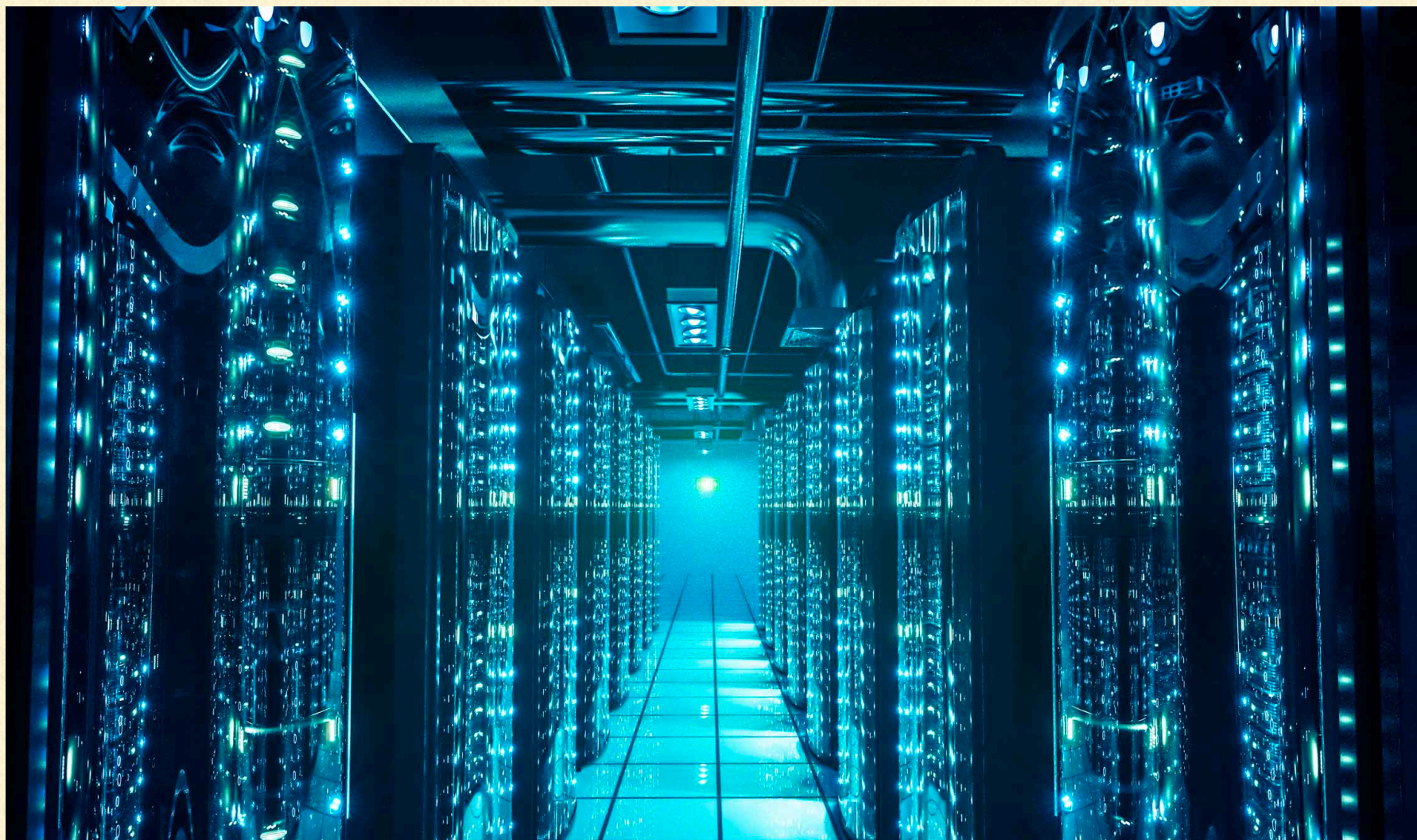
Parallel Prog.   (424)

Prerequisite

CPSC 323

Specialized Systems

Parallel Prog.   (424)

Big-Data   (438)

Prerequisite

CPSC 323

Parallel Prog. (424)

Big-Data (438)

Systems Principle (429)

Prerequisite

CPSC 323

CERTIK

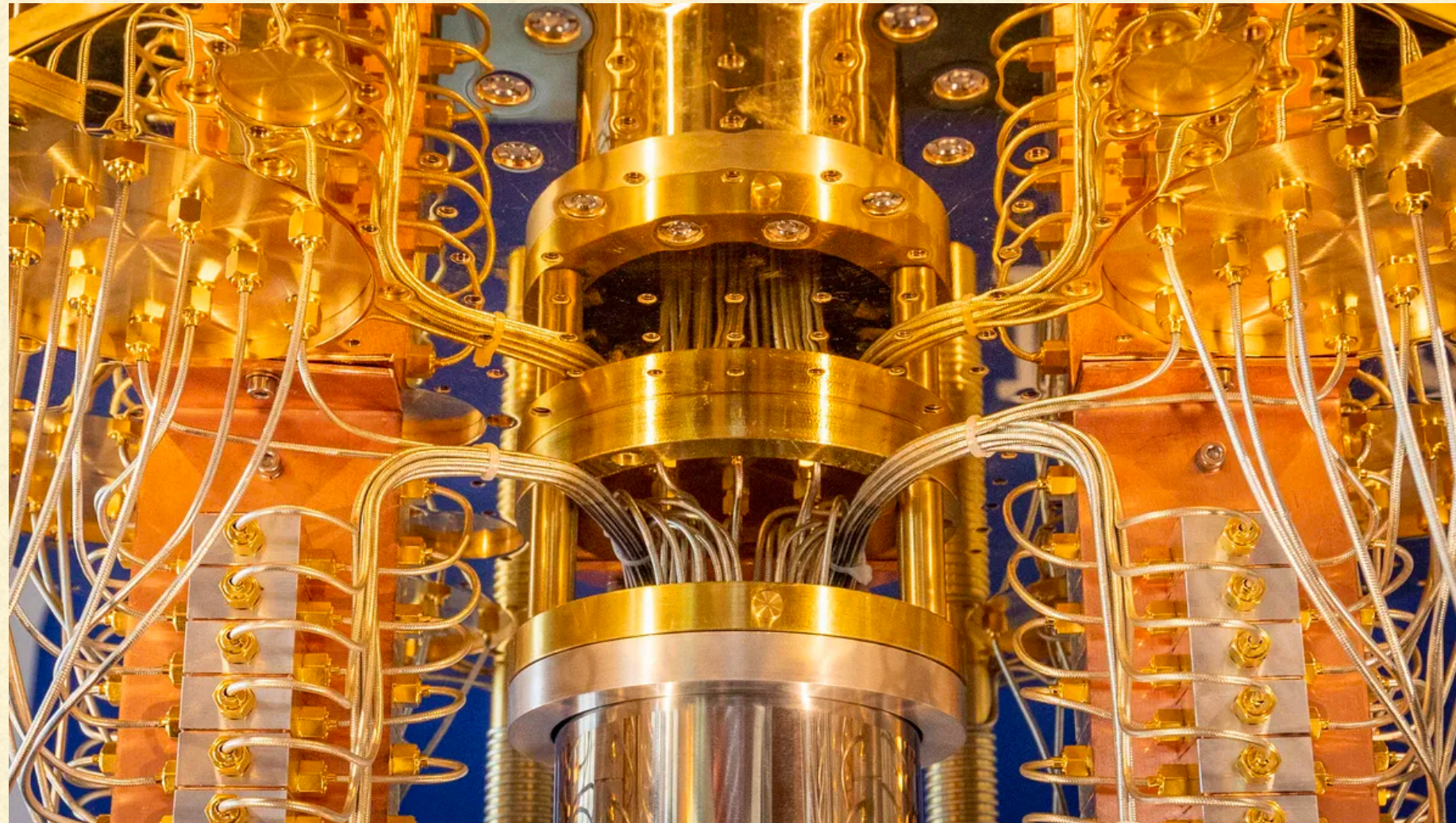|	
Parallel Prog.	(424)
Big-Data	(438)
Systems Principle	(429)
Safety & Verification	(**428**, 454)

Prerequisite

CPSC 428:   CPSC 202   CPSC 323   MATH 222

CPSC 454:   CPSC 202   CPSC 323

* **Bold brown** courses are offered in Spring 2024

Specialized Systems

Parallel Prog.	(424)
Big-Data	(438)
Systems Principle	(429)
Safety & Verification	(**428**, 454)
Quantum Computing	(447, **449**)

Prerequisite

CPSC 447:   CPSC 323

CPSC 449:   CPSC 447

Specialized Systems

Parallel Prog.	(424)
Big-Data	(438)
Systems Principle	(429)
Safety & Verification	(**428**, 454)
Quantum Computing	(447, **449**)
Routers	(**435**)

Prerequisite

CPSC 433

Programming & Software

C & Linux	(**175**)
Object Oriented	(**327**)
Full Stack	(**419**)
Software Eng.	(**439**)

Low-Level Systems

Architecture	(**338**, **420**)
Compilers	(421)
O.S.	(**422**)
Networks	(**433**, 434)
Database	(**437**, 440)
Distributed System	(**362**, 426, 465)

Specialized Systems

Parallel Prog.	(424)
Big-Data	(438)
Systems Principle	(429)
Safety & Verification	(**428**, 454)
Quantum Computing	(447, **449**)
Routers	(**435**)

Basic Programming

CPSC 100 (C, Python)

CPSC 110 (Python)

CPSC 112   (Java)

Comp. Sci. Fundamentals

CPSC 200   (Python)

CPSC 201   (Racket)

Inter. Programming

CPSC 223 (C/C++)

Intro. to Systems

CPSC 323

* **Bold brown** courses are offered in Spring 2024