B.S. Computer Science (4 year plan)

V2025.06

Semester	Courses							Credits
Freshman Fall Semester	CSIS 201 (3) Intro to Computer Science I	MATH 201 (4) Calculus I			COMM 111 (3) Communication in Society	WRIT 111 (3) Caring for Words	THEO 101 (3) The Bible	**16**
Freshman Spring Semester	CSIS 202 (3) Intro to Computer Science II			PSYC 100 (3) Personhood	MATH 170 (3) Surprised by Math	GSCI 170 (4) Science and Faith	THEO 102 (3) Christianity	**16**
Sophomore Fall Semester	CSIS 301 (3) Foundations of C Programming	CSIS 310 (3) Data Structures	CSIS 321 (3) Software Engineering	MATH 260 (3) Discrete Mathematics	(3) Free Elective	CPAS 216 (1) Finding Internships (optional)		**16**
Sophomore Spring Semester	CSIS 370 (3) Object-Oriented Analysis & Design	CSIS 430 (3) Analysis of Algorithms			(3) Free Elective	HIST 111 (3) The Modern and Postmodern World	LITR 111 (3) Faith and Story	**15**
Junior Fall Semester	CSIS 340 (3) Database Systems	CSIS 360 (3) Comp Architecture & Assembly Lang	ENGR 381 (2) Servant Engineering I		(3) Free Elective	(3) Free Elective		**14**
Junior Spring Semester	CSIS 460 (3) Operating Systems	(3) CSIS Elective	ENGR 382 (2) Servant Engineering II		(3) Free Elective		ARTP/V 120 (3) Art and Global Culture	**14**
Senior Fall Semester	CSIS 420 (3) Structures of Programming Lang	CSIS 434 (3) Parallel & Distrib Computing	ENGR 481 (1) Senior Design I		(3) Free Elective	CPAS 318 (1) College to Career (optional)	THEO 380 (3) Ethics	**14**
Senior Spring Semester	(3) CSIS Elective	(3) CSIS Elective	ENGR 482 (3) Senior Design II		(3) Free Elective		SSCI 100 (3) Justice	**15**

We strongly recommend taking COMM 111, WRIT 111, THEO 101, and THEO 102 during the freshman year. Other general education courses may be taken at different times.

If either CPAS course is not taken, then an additional free elective must be taken to satisfy the 120-credit hour graduation requirement.
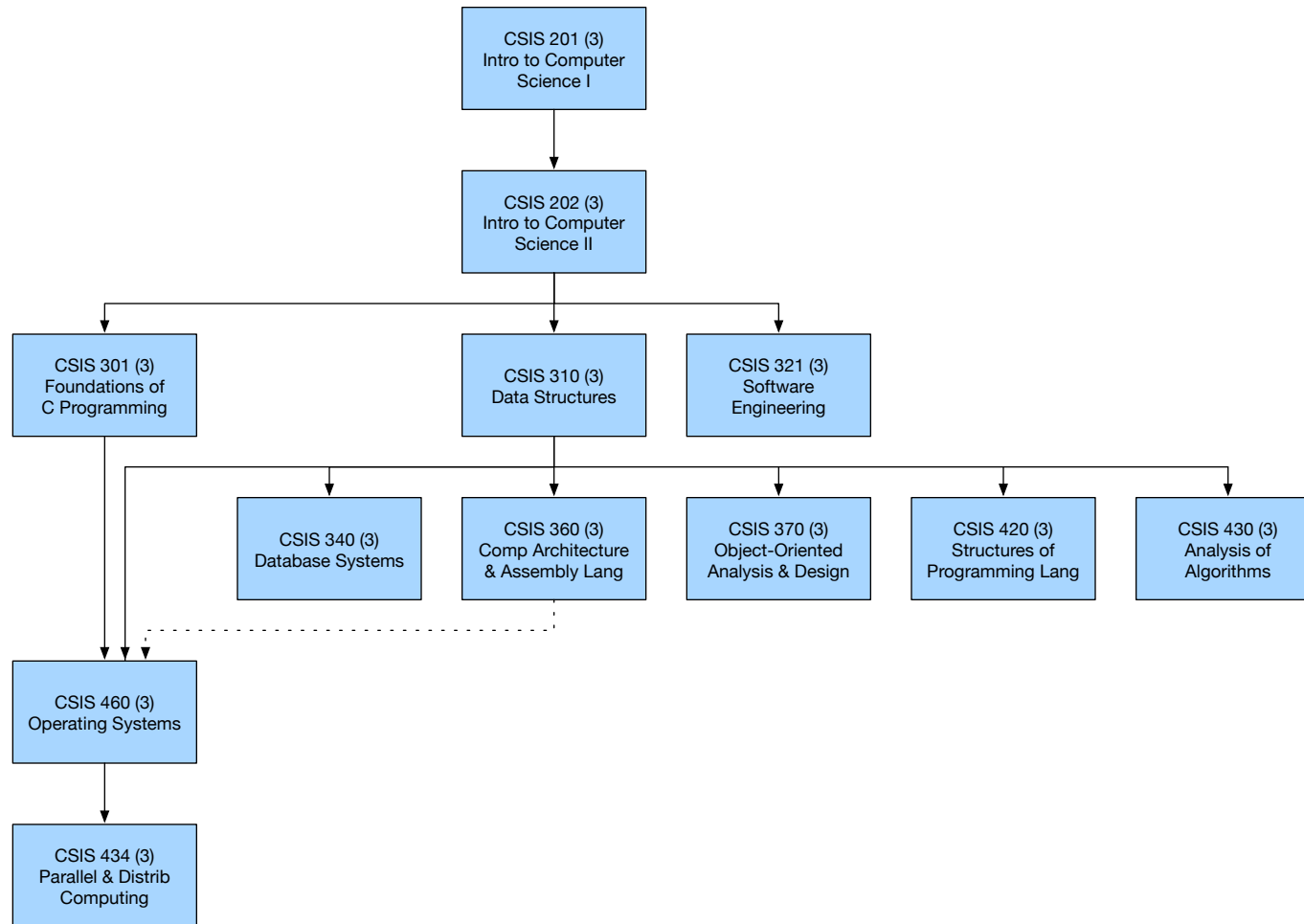
Legend:
- CSIS Requirement
- MATH Requirement
- ENGR/ENGE Requirement
- Free Elective
- General Ed Requirement

120

Prerequisites—Computer Science

```
                          CSIS 201 (3)
                          Intro to Computer
                          Science I
                               │
                               ▼
                          CSIS 202 (3)
                          Intro to Computer
                          Science II
```

CSIS 301 (3) Foundations of C Programming	CSIS 310 (3) Data Structures	CSIS 321 (3) Software Engineering

CSIS 340 (3) Database Systems	CSIS 360 (3) Comp Architecture & Assembly Lang	CSIS 370 (3) Object-Oriented Analysis & Design	CSIS 420 (3) Structures of Programming Lang	CSIS 430 (3) Analysis of Algorithms

```
CSIS 460 (3)
Operating Systems
      │
      ▼
CSIS 434 (3)
Parallel & Distrib
Computing
```

──────► Required

- - - ► Recommended

Not all courses depicted here; see other side for complete requirements.