# BYU Computer Science Minor

(19-20 Credit Hours)

Fall 2025

Grades below C- are not allowed in minor courses

**Core Requirements**

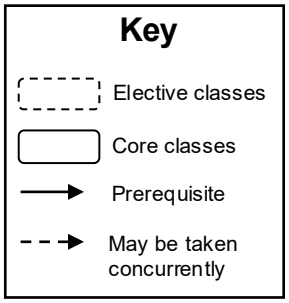
1. Complete the following courses:
   CS 111, 235, 236, 240

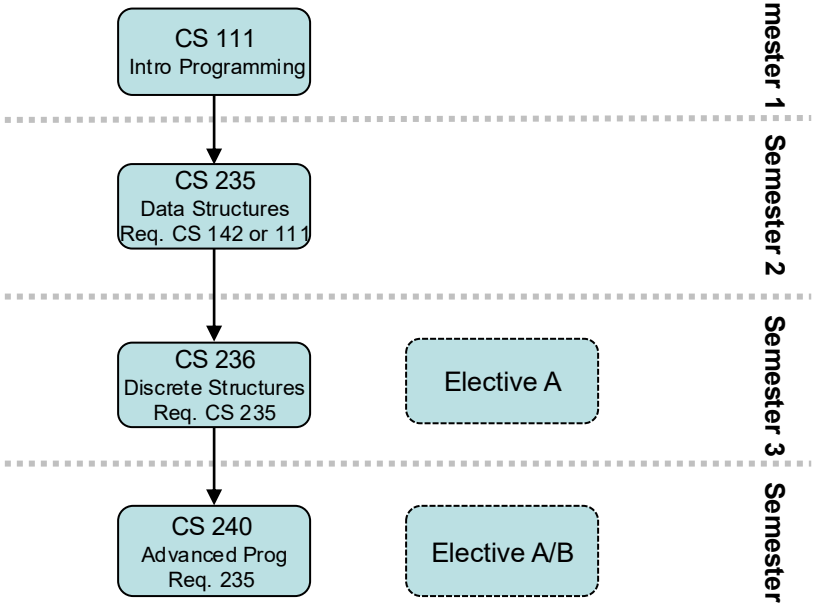
**Elective Course Requirements: Complete a total of 2 courses from the following options (6 credits)**

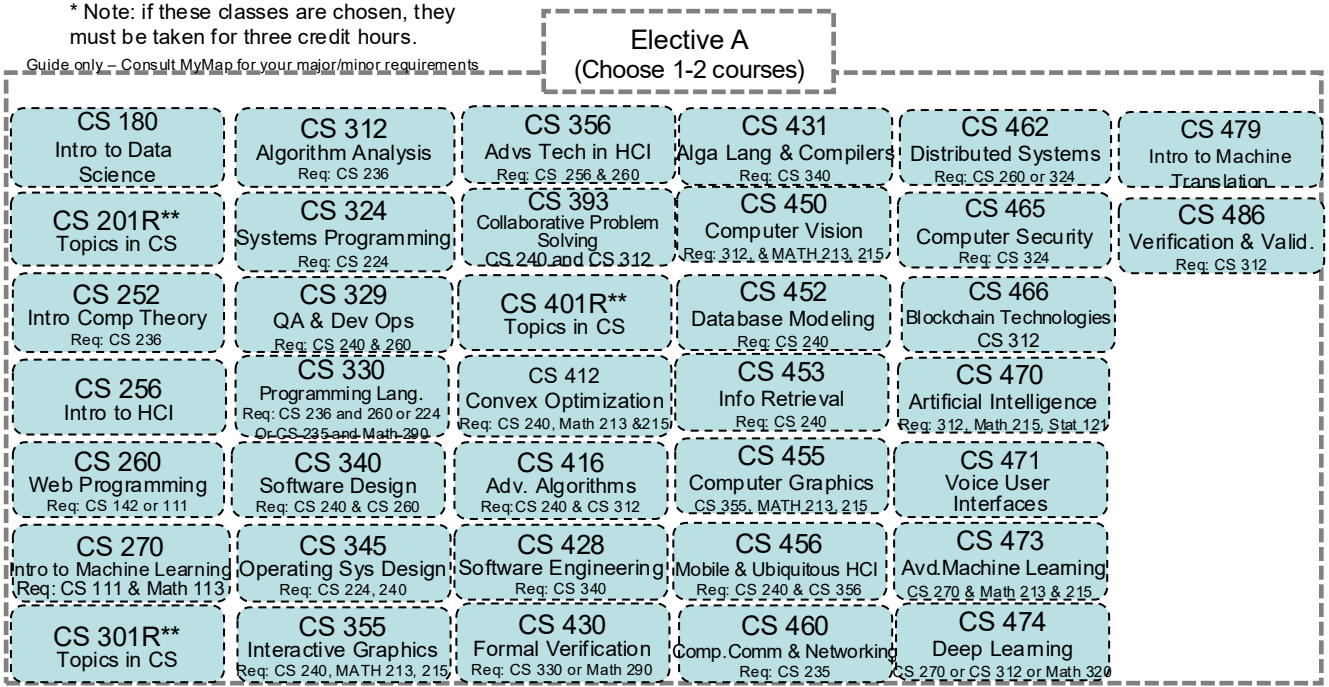
2. Complete up to six hours from the following courses:
   CS 180, 201R*, 252, 256, 260, 270, 301R*, 312, 324, 329, 330, 340, 345, 355, 356, 393, 401R*, 412, 416, 428, 430, 431, 450, 452, 453, 455, 456, 460, 462, 465, 466, 470, 471, 473, 474, 479, 486
3. Complete up to three hours from the following courses:
   CS 224 or EC EN 224

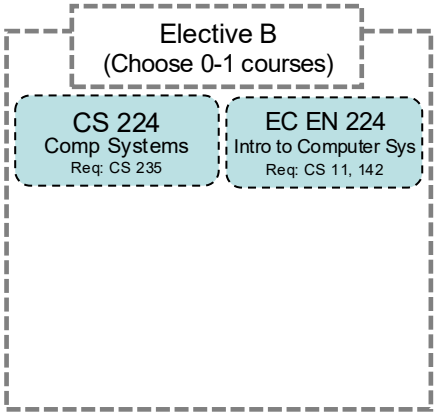
* Note: if these classes are chosen, they must be taken for three credit hours.

Guide only – Consult MyMap for your major/minor requirements



# BYU Computer Science Minor

(19-20 Credit Hours)

## Fall 2024

Grades below C- are not allowed in minor courses

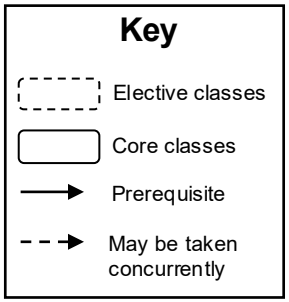
**Core Requirements**

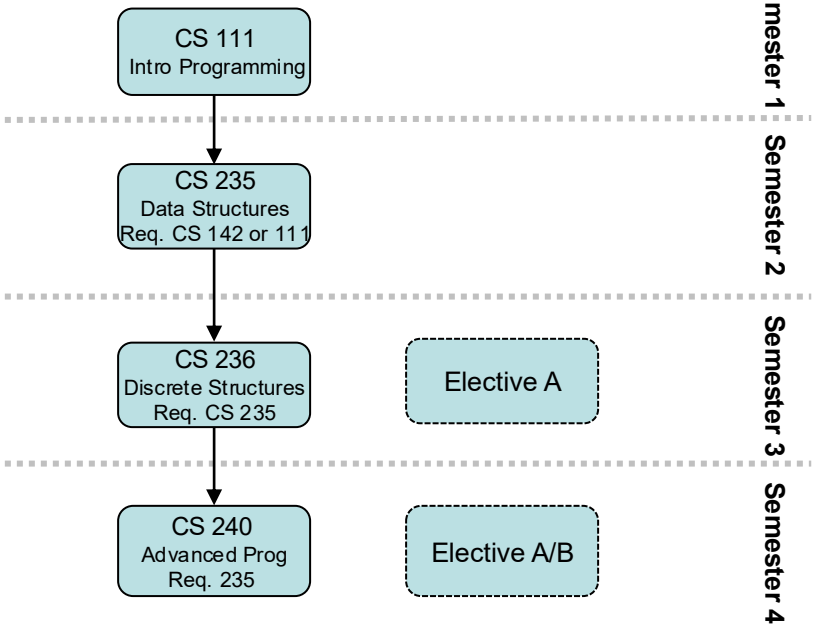
1. Complete the following courses:
   CS 111, 235, 236, 240

**Elective Course Requirements: Complete a total of 2 courses from the following options (6 credits)**

2. Complete up to six hours from the following courses:
   CS 180, 201R*, 252, 256, 260, 270, 301R*, 312, 324, 329, 330, 340, 345, 355, 356, 393, 401R*, 412, 428, 431, 450, 452, 453, 455, 456, 460, 462, 465, 466, 470, 471, 473, 474, 479, 486
3. Complete up to three hours from the following courses:
   CS 224 or EC EN 224

* Note: if these classes are chosen, they must be taken for three credit hours.




Guide only – Consult MyMap for your major/minor requirements

Elective A
(Choose 1-2 courses)

- CS 180 Intro to Data Science
- CS 201R** Topics in CS
- CS 252 Intro Comp Theory — Req: CS 236
- CS 256 Intro to HCI
- CS 260 Web Programming — Req: CS 142 or 111
- CS 270 Intro to Machine Learning — Req:
- CS 301R** Topics in CS
- CS 312 Algorithm Analysis — Req: CS 240
- CS 324 Systems Programming — Req: CS 240
- CS 329 Test, Analyze, Verify — Req: CS 240
- CS 330 Programming Lang. — Req: CS 240
- CS 340 Design and Testing — Req: CS 240
- CS 345 Operating Sys Design — Req: CS 224, 240
- CS 355 Interactive Graphics — Req: CS 240, MATH 213, 215
- CS 356 User Experience — Req: CS 240
- CS 393 Algorithms & Problem Solving
- CS 401R** Topics in CS
- CS 412 Convex Optimization — Req: CS 240
- CS 428 Software Engineering — Req: CS 340
- CS 431 Alga Lang & Compilers — Req: CS 240
- CS 450 Computer Vision — Req: 312, 355 MATH 213, 215
- CS 452 Database Modeling — Req: CS 240
- CS 453 Info Retrieval — Req: CS 240
- CS 455 Computer Graphics — Req: 355, MATH 213, 215
- CS 456 UI Software — Req: CS 240, 356
- CS 460 Networks — Req: CS 324
- CS 462 Distributed Systems — Req: CS 260, 324
- CS 465 Computer Security — Req: CS 324
- CS 466 Blockchain Technologies
- CS 470 Artificial Intelligence — Req: 312, Math 215, Stat 121
- CS 471 Voice User Interfaces
- CS 473 Avd.Machine Learning — Req: 312, Math 215, Stat 121
- CS 474 Deep Learning — Req: 312, Math 213, 215
- CS 479 Intro to Machine Translation
- CS 486 Verification & Valid. — Req: CS 312

Elective B
(Choose 0-1 courses)

- CS 224 Intro Comp Systems — Req: CS 235
- EC EN 224 Intro to Computer Sys — Req: CS 11, 142

# BYU Computer Science Minor

(19 Credit Hours)

## Fall 2023

A. Grades below C- are not allowed in minor courses

**Core Requirements**

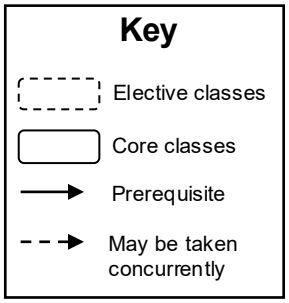
B. Complete the following courses:
CS 111, 235, 236, 240

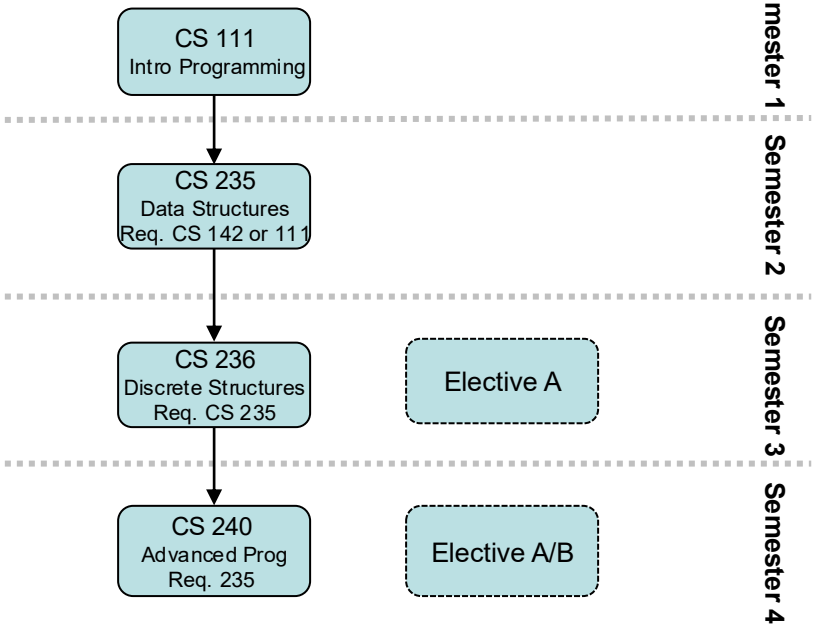
**Elective Course Requirements: Complete a total of 2 courses from the following options (6 credits)**

C. Complete up to six hours from the following courses:
CS 180, 201R*, 252, 256, 260, 301R*, 312, 324, 329, 330, 340, 345, 355, 356, 393, 401R*, 412, 428, 431, 450, 452, 453, 455, 456, 460, 462, 465, 466, 470, 471, 472, 474, 479, 486

D. Complete up to three hours from the following courses:
CS 224 or EC EN 224

* Note: if these classes are chosen, they must be taken for three credit hours.




Guide only – Consult MyMap for your major/minor requirements

**Elective A**
(Choose 1-2 courses)

- CS 180 Intro to Data Science
- CS 201R** Topics in CS
- CS 252 Intro Comp Theory — Req: CS 236
- CS 256 Intro to HCI
- CS 260 Web Programming — Req: CS 142 or 111
- CS 301R** Topics in CS
- CS 312 Algorithm Analysis — Req: CS 240
- CS 324 Systems Programming — Req: CS 240
- CS 329 Test, Analyze, Verify — Req: CS 240
- CS 330 Programming Lang. — Req: CS 240
- CS 340 Design and Testing — Req: CS 240
- CS 345 Operating Sys Design — Req: CS 224, 240
- CS 355 Interactive Graphics — Req: CS 240, MATH 213, 215
- CS 356 User Experience — Req: CS 240
- CS 393 Algorithms & Problem Solving
- CS 401R** Topics in CS
- CS 412 Convex Optimization — Req: CS 240
- CS 428 Software Engineering — Req: CS 340
- CS 431 Alga Lang & Compilers — Req: CS 240
- CS 450 Computer Vision — Req: 312, 355 MATH 213, 215
- CS 452 Database Modeling — Req: CS 240
- CS 453 Info Retrieval — Req: CS 240
- CS 455 Computer Graphics — Req: 355, MATH 213, 215
- CS 456 UI Software — Req: CS 240, 356
- CS 460 Networks — Req: CS 324
- CS 462 Distributed Systems — Req: CS 260, 324
- CS 465 Computer Security — Req: CS 324
- CS 466 Blockchain Technologies
- CS 470 Artificial Intelligence — Req: 312, Math 215, Stat 121
- CS 471 Voice User Interfaces
- CS 472 Machine Learning — Req: 312, Math 215, Stat 121
- CS 474 Deep Learning — Req: 312, Math 213, 215
- CS 479 Intro to Machine Translation
- CS 486 Verification & Valid. — Req: CS 312

**Elective B**
(Choose 0-1 courses)

- CS 224 Intro Comp Systems — Req: CS 235
- EC EN 224 Intro to Computer Sys