🎓 Curriculum Report: Colostate_CS Degree

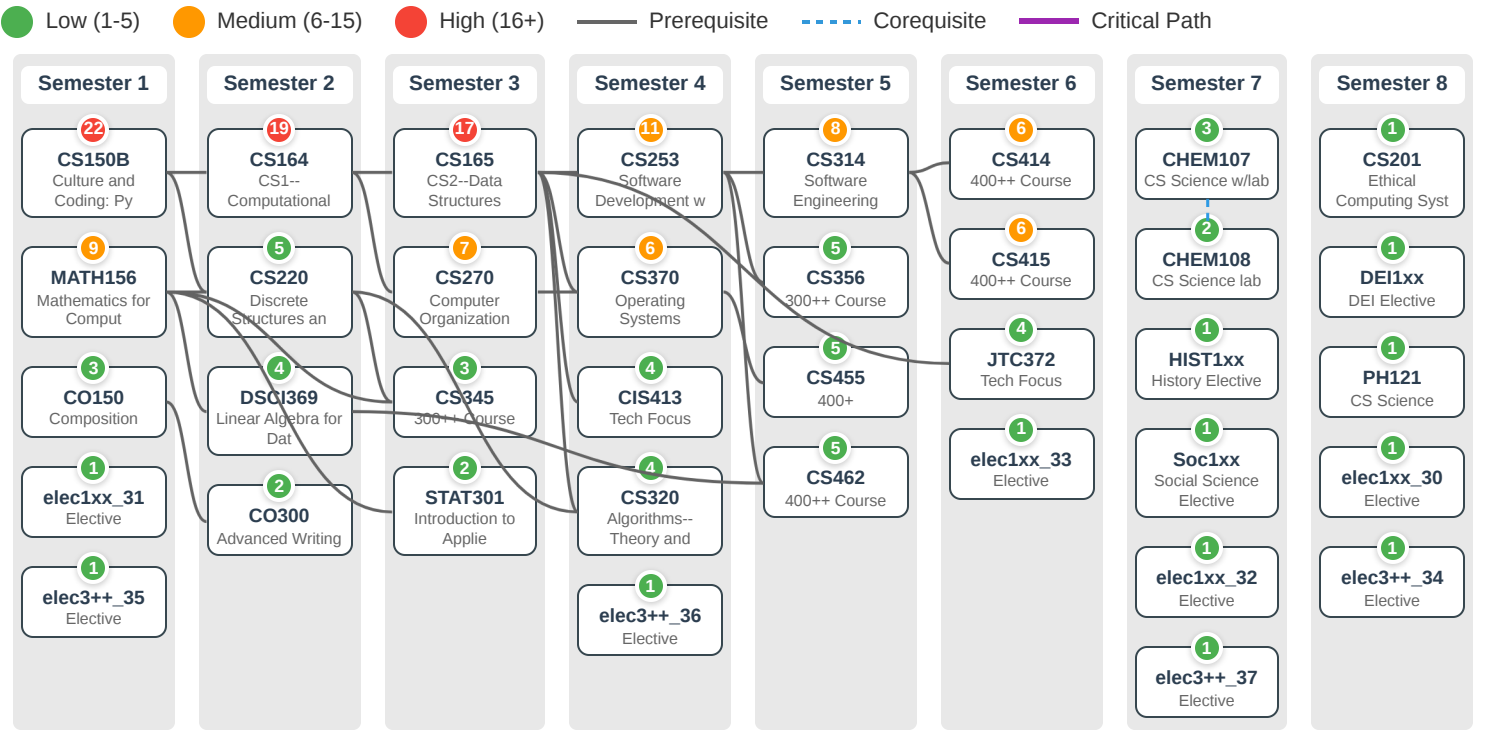## Overview

INSTITUTION	DEGREE	SYSTEM	YEARS
Colorado State University	**BS Colostate_CS Degree**	**semester**	**4**

CIP CODE	TOTAL CREDITS	TOTAL COURSES
11.0701	**120.0**	**37**

Complexity Metrics

TOTAL COMPLEXITY	LONGEST DELAY	HIGHEST CENTRALITY
175	**6** CS150B	**44** CS164

Critical Path: CS150B → CS164 → CS165 → CS253 → CS314 → CS415

Curriculum Graph

🟢 Low (1-5)   🟠 Medium (6-15)   🔴 High (16+)   —— Prerequisite   ····· Corequisite   —— Critical Path

Term Schedule

Term	Courses	Credits
1	CS150B Culture and Coding: Python (GT-AH3) MATH156 Mathematics for Computational Science I CO150 Composition elec1xx_31 Elective elec3++_35 Elective	16.0
2	CS164 CS1--Computational Thinking with Java CS220 Discrete Structures and their Applications DSCI369 Linear Algebra for Data Science CO300 Advanced Writing	15.0
3	CS165 CS2--Data Structures CS270 Computer Organization CS345 300++ Course STAT301 Introduction to Applied Statistical Methods	15.0
4	CS253 Software Development with C++ CS370 Operating Systems CIS413 Tech Focus CS320 Algorithms--Theory and Practice elec3++_36 Elective	16.0
5	CS314 Software Engineering CS356 300++ Course CS455 400+ CS462 400++ Course	14.0
6	CS414 400++ Course CS415 400++ Course JTC372 Tech Focus elec1xx_33 Elective	14.0
7	CHEM107 CS Science w/lab CHEM108 CS Science lab HIST1xx History Elective Soc1xx Social Science Elective elec1xx_32 Elective elec3++_37 Elective	15.0
8	CS201 Ethical Computing Systems (GT-AH3) DEI1xx DEI Elective PH121 CS Science elec1xx_30 Elective elec3++_34 Elective	15.0

Course Metrics

Course	Name	Cr	Cplx	Blk	Dly	Ctr
CS150B	Culture and Coding: Python (GT-AH3)	3.0	22	16	6	0
CS164	CS1--Computational Thinking with Java	4.0	19	13	6	44
CS165	CS2--Data Structures	4.0	17	11	6	39
CS253	Software Development with C++	4.0	11	5	6	22
MATH156	Mathematics for Computational Science I	4.0	9	6	3	0
CS314	Software Engineering	3.0	8	2	6	12
CS270	Computer Organization	4.0	7	2	5	5
CS370	Operating Systems	3.0	6	1	5	10
CS414	400++ Course	4.0	6	0	6	0
CS415	400++ Course	4.0	6	0	6	0
CS220	Discrete Structures and their Applications	4.0	5	2	3	12
CS356	300++ Course	3.0	5	0	5	0
CS462	400++ Course	4.0	5	0	5	0
CS455	400+	4.0	5	0	5	0
DSCI369	Linear Algebra for Data Science	4.0	4	1	3	3
CS320	Algorithms--Theory and Practice	3.0	4	0	4	0
JTC372	Tech Focus	3.0	4	0	4	0
CIS413	Tech Focus	3.0	4	0	4	0
CS345	300++ Course	3.0	3	0	3	0
CO150	Composition	3.0	3	1	2	0
CHEM107	CS Science w/lab	3.0	3	1	2	0
STAT301	Introduction to Applied Statistical Methods	4.0	2	0	2	0
CO300	Advanced Writing	3.0	2	0	2	0
CHEM108	CS Science lab	1.0	2	0	2	0
CS201	Ethical Computing Systems (GT-AH3)	3.0	1	0	1	0
PH121	CS Science	3.0	1	0	1	0
DEI1xx	DEI Elective	3.0	1	0	1	0
HIST1xx	History Elective	3.0	1	0	1	0
Soc1xx	Social Science Elective	3.0	1	0	1	0
elec1xx_30	Elective	3.0	1	0	1	0
elec1xx_31	Elective	3.0	1	0	1	0
elec1xx_32	Elective	3.0	1	0	1	0
elec1xx_33	Elective	3.0	1	0	1	0

Course	Name	Cr	Cplx	Blk	Dly	Ctr
elec3++_34	Elective	3.0	1	0	1	0
elec3++_35	Elective	3.0	1	0	1	0
elec3++_36	Elective	3.0	1	0	1	0
elec3++_37	Elective	2.0	1	0	1	0

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Course	Name	Cr	Cplx	Blk	Dly	Ctr
elec3++_34	Elective	3.0	1	0	1	0