

Curriculum Report: Colostate_CS_2017_w_MATH

Overview

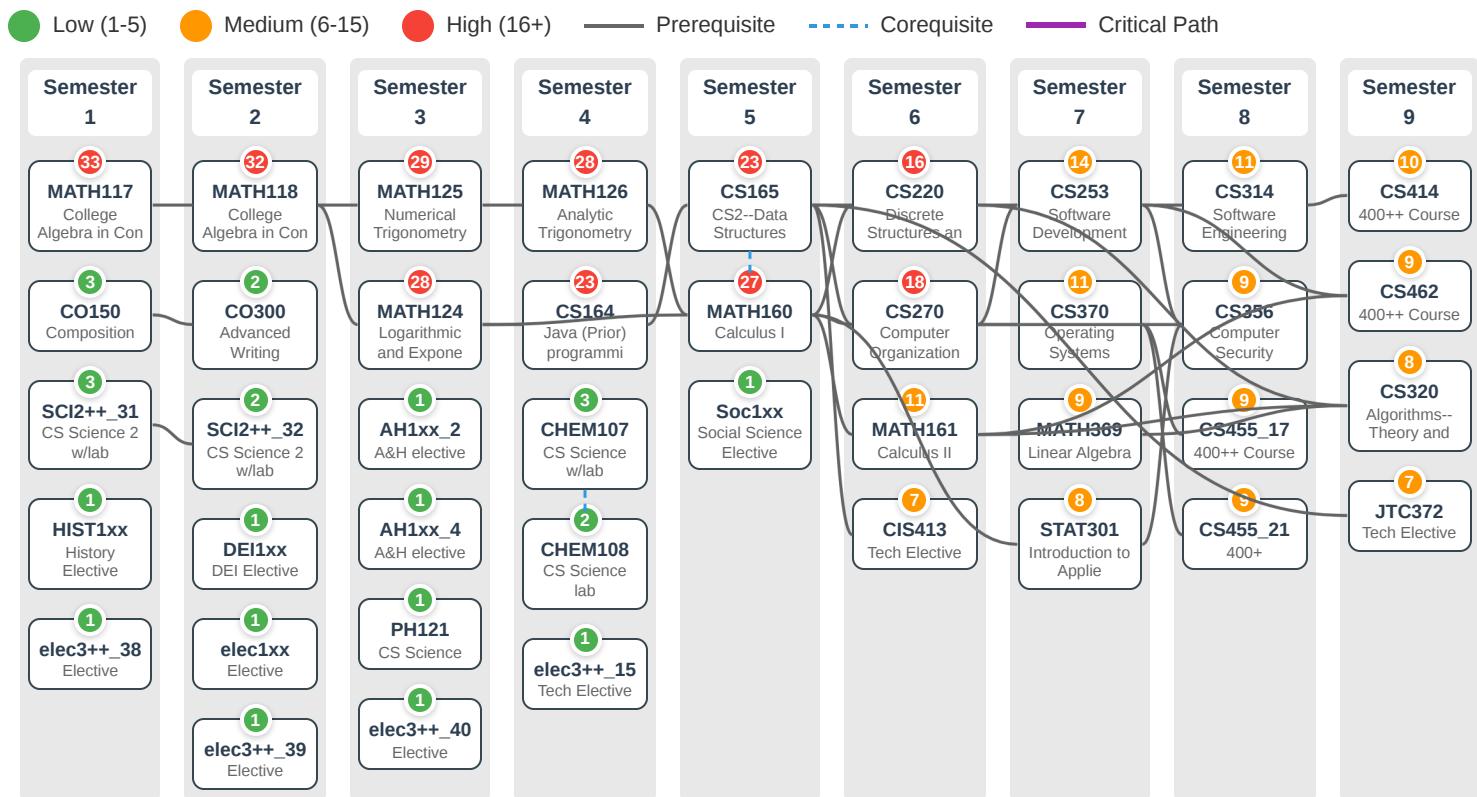
INSTITUTION Colorado State University	DEGREE BS Colostate_CS_2017_w_MATH	SYSTEM semester	YEARS 5
CIP CODE 11.0701	TOTAL CREDITS 120.0	TOTAL COURSES 41	

Complexity Metrics

TOTAL COMPLEXITY 415	LONGEST DELAY 10 MATH160	HIGHEST CENTRALITY 492 MATH118
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Critical Path: MATH117 → MATH118 → MATH125 → MATH126 → MATH160 → CS270 → CS253 → CS314 → CS414

Curriculum Graph



Term Schedule

Term	Courses	Credits
1	MATH117 College Algebra in Context I CO150 Composition SCI2++_31 CS Science 2 w/lab HIST1xx History Elective elec3++_38 Elective	13.0
2	MATH118 College Algebra in Context II CO300 Advanced Writing SCI2++_32 CS Science 2 w/lab DEI1xx DEI Elective elec1xx Elective elec3++_39 Elective	13.0
3	MATH125 Numerical Trigonometry MATH124 Logarithmic and Exponential Functions AH1xx_2 A&H elective AH1xx_4 A&H elective PH121 CS Science elec3++_40 Elective	14.0
4	MATH126 Analytic Trigonometry CS164 Java (Prior) programming experience CHEM107 CS Science w/lab CHEM108 CS Science lab elec3++_15 Tech Elective	12.0
5	CS165 CS2--Data Structures MATH160 Calculus I Soc1xx Social Science Elective	11.0
6	CS220 Discrete Structures and their Applications CS270 Computer Organization MATH161 Calculus II CIS413 Tech Elective	15.0
7	CS253 Software Development with C++ CS370 Operating Systems MATH369 Linear Algebra STAT301 Introduction to Applied Statistical Methods	14.0
8	CS314 Software Engineering CS356 Computer Security CS455_17 400++ Course CS455_21 400+	14.0
9	CS414 400++ Course CS462 400++ Course CS320 Algorithms--Theory and Practice JTC372 Tech Elective	14.0

Course Metrics

Course	Name	Cr	Cpix	Blk	Dly	Ctr
MATH117	College Algebra in Context I	1.0	33	23	10	0
MATH118	College Algebra in Context II	1.0	32	22	10	492
MATH125	Numerical Trigonometry	1.0	29	19	10	213
MATH124	Logarithmic and Exponential Functions	1.0	28	19	9	279
MATH126	Analytic Trigonometry	1.0	28	18	10	213
MATH160	Calculus I	4.0	27	17	10	400
CS164	Java (Prior) programming experience	4.0	23	14	9	92
CS165	CS2--Data Structures	4.0	23	13	10	288
CS270	Computer Organization	4.0	18	8	10	240
CS220	Discrete Structures and their Applications	4.0	16	6	10	160
CS253	Software Development with C++	4.0	14	4	10	250
MATH161	Calculus II	4.0	11	3	8	41
CS314	Software Engineering	3.0	11	1	10	90
CS370	Operating Systems	3.0	11	2	9	80
CS414	400++ Course	4.0	10	0	10	0
CS356	Computer Security	3.0	9	0	9	0
CS455_17	400++ Course	4.0	9	0	9	0
CS462	400++ Course	4.0	9	0	9	0
CS455_21	400+	4.0	9	0	9	0
MATH369	Linear Algebra	3.0	9	1	8	15
STAT301	Introduction to Applied Statistical Methods	4.0	8	1	7	13
CS320	Algorithms--Theory and Practice	3.0	8	0	8	0
JTC372	Tech Elective	3.0	7	0	7	0
CIS413	Tech Elective	3.0	7	0	7	0
CO150	Composition	3.0	3	1	2	0
CHEM107	CS Science w/lab	3.0	3	1	2	0
SCI2++_31	CS Science 2 w/lab	3.0	3	1	2	0
CO300	Advanced Writing	3.0	2	0	2	0
CHEM108	CS Science lab	1.0	2	0	2	0
SCI2++_32	CS Science 2 w/lab	2.0	2	0	2	0
AH1xx_2	A&H elective	3.0	1	0	1	0
AH1xx_4	A&H elective	3.0	1	0	1	0
elec3++_15	Tech Elective	3.0	1	0	1	0

Course	Name	Cr	Cplx	Blk	Dly	Ctr
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
elec3++_38	Elective	3.0	1	0	1	0
elec3++_39	Elective	3.0	1	0	1	0
elec3++_40	Elective	3.0	1	0	1	0
elec1xx	Elective	1.0	1	0	1	0

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