

# Curriculum Report: Computer Science

## Overview

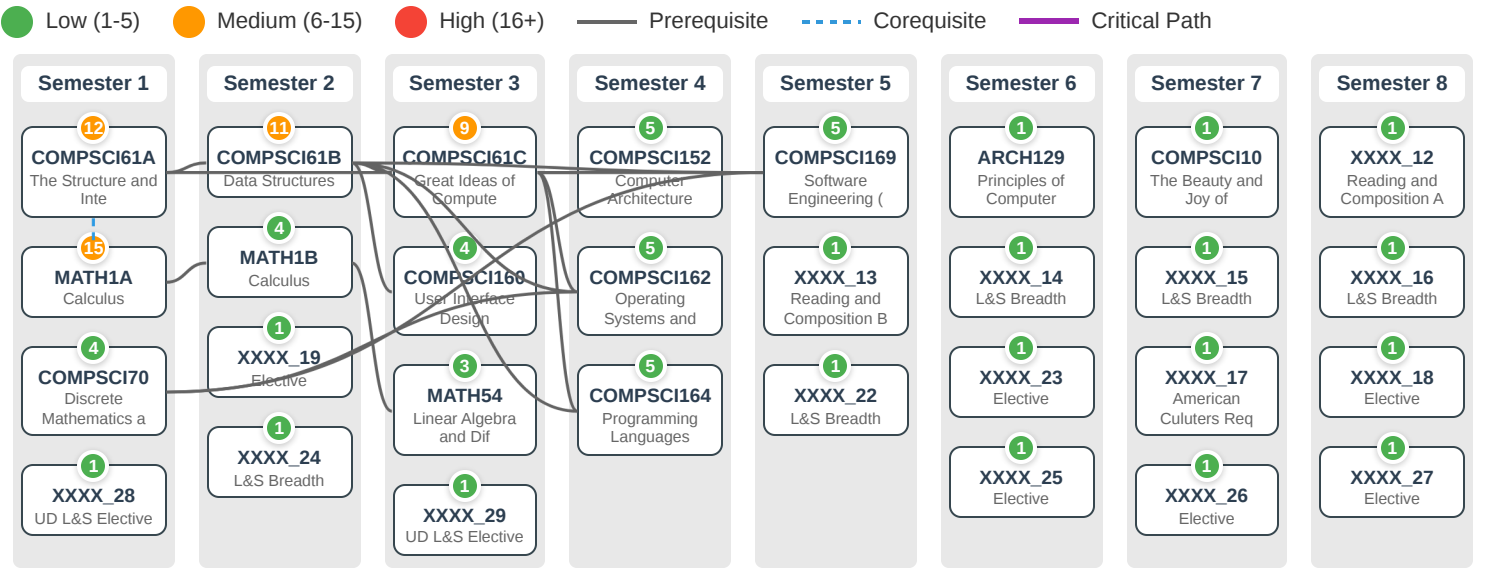
INSTITUTION <b>California Berkeley</b>	DEGREE <b>BA Computer Science</b>	SYSTEM <b>semester</b>	YEARS <b>4</b>
CIP CODE <b>11.07</b>	TOTAL CREDITS <b>113.0</b>	TOTAL COURSES <b>30</b>	

## Complexity Metrics

TOTAL COMPLEXITY <b>100</b>	LONGEST DELAY <b>5</b> COMPSCI61A	HIGHEST CENTRALITY <b>52</b> COMPSCI61A
--------------------------------	---	---

**Critical Path:** (COMPSCI61A+MATH1A) → COMPSCI61B → COMPSCI61C → COMPSCI164

## Curriculum Graph



# Term Schedule

Term	Courses	Credits
1	<div>COMPSCI61A The Structure and Interpretation of Computer Programs</div> <div>MATH1A Calculus</div> <div>COMPSCI70 Discrete Mathematics and Probability Theory</div> <div>XXXX_28 UD L&amp;S Elective</div>	16.0
2	<div>COMPSCI61B Data Structures</div> <div>MATH1B Calculus</div> <div>XXXX_19 Elective</div> <div>XXXX_24 L&amp;S Breadth</div>	15.0
3	<div>COMPSCI61C Great Ideas of Computer Architecture</div> <div>COMPSCI160 User Interface Design and Development (Upper Division CS Elective)</div> <div>MATH54 Linear Algebra and Differential Equations</div> <div>XXXX_29 UD L&amp;S Elective</div>	15.0
4	<div>COMPSCI152 Computer Architecture and Engineering (Upper Division CS Elective)</div> <div>COMPSCI162 Operating Systems and System Programming (Upper Division CS Elective)</div> <div>COMPSCI164 Programming Languages and Compilers (Upper Division CS Elective)</div>	12.0
5	<div>COMPSCI169 Software Engineering (Upper Division CS Elective)</div> <div>XXXX_13 Reading and Composition B</div> <div>XXXX_22 L&amp;S Breadth</div>	12.0
6	<div>ARCH129 Principles of Computer Aided Architectural Design (Non CS Technical Elective)</div> <div>XXXX_14 L&amp;S Breadth</div> <div>XXXX_23 Elective</div> <div>XXXX_25 Elective</div>	14.0
7	<div>COMPSCI10 The Beauty and Joy of Computing</div> <div>XXXX_15 L&amp;S Breadth</div> <div>XXXX_17 American Culuters Req</div> <div>XXXX_26 Elective</div>	14.0
8	<div>XXXX_12 Reading and Composition A</div> <div>XXXX_16 L&amp;S Breadth</div> <div>XXXX_18 Elective</div> <div>XXXX_27 Elective</div>	15.0

Course Metrics

Course	Name	Cr	Cplx	Blk	Dly	Ctr
MATH1A	Calculus	4.0	15	10	5	0
COMPSCI61A	The Structure and Interpretation of Computer Programs	4.0	12	7	5	52
COMPSCI61B	Data Structures	4.0	11	6	5	36
COMPSCI61C	Great Ideas of Computer Architecture	4.0	9	4	5	36
COMPSCI169	Software Engineering (Upper Division CS Elective)	4.0	5	0	5	0
COMPSCI164	Programming Languages and Compilers (Upper Division CS Elective)	4.0	5	0	5	0
COMPSCI152	Computer Architecture and Engineering (Upper Division CS Elective)	4.0	5	0	5	0
COMPSCI162	Operating Systems and System Programming (Upper Division CS Elective)	4.0	5	0	5	0
COMPSCI70	Discrete Mathematics and Probability Theory	4.0	4	2	2	0
MATH1B	Calculus	4.0	4	1	3	3
COMPSCI160	User Interface Design and Development (Upper Division CS Elective)	4.0	4	0	4	0
MATH54	Linear Algebra and Differential Equations	4.0	3	0	3	0
ARCH129	Principles of Computer Aided Architectural Design (Non CS Technical Elective)	4.0	1	0	1	0
XXXX_12	Reading and Composition A	4.0	1	0	1	0
XXXX_13	Reading and Composition B	4.0	1	0	1	0
XXXX_14	L&S Breadth	4.0	1	0	1	0
XXXX_15	L&S Breadth	3.0	1	0	1	0
XXXX_16	L&S Breadth	3.0	1	0	1	0
XXXX_17	American Culuters Req	4.0	1	0	1	0
XXXX_18	Elective	4.0	1	0	1	0
XXXX_19	Elective	3.0	1	0	1	0
XXXX_22	L&S Breadth	4.0	1	0	1	0
XXXX_23	Elective	3.0	1	0	1	0
XXXX_24	L&S Breadth	4.0	1	0	1	0
XXXX_25	Elective	3.0	1	0	1	0
XXXX_26	Elective	3.0	1	0	1	0
XXXX_27	Elective	4.0	1	0	1	0
XXXX_28	UD L&S Elective	4.0	1	0	1	0
XXXX_29	UD L&S Elective	3.0	1	0	1	0
COMPSCI10	The Beauty and Joy of Computing	4.0	1	0	1	0