

**Table 1: Summary of participating faculty—their institutions, CS1 course offerings, and number of students.**

Fac	Type	Classification	Size	Language	Phase 1a	Phase 1b	Phase 2a	Phase 3a	Phase 3b	Total
1	Private	Liberal Arts College	1,000	Python	Fa16: 22	Fa17: 19	Fa18: 20	Fa19: 20		81
2	"	"	"	"	Fa17: 46	Sp18: 44	Fa18: 33	Sp19: 33		156
3	Private	Doctoral/Professional	6,000	Java	Fa17: 27	Sp18: 15	Fa18: 38	Sp19: 15	Fa19: 27	122
4	Public	Baccalaureate College	12,000	Java	Fa15: 46	Sp16: 46	Fa17: 32	Sp18: 23	Fa18: 24	171
5	"	"	"	"	Fa16: 23	Sp17: 23	Fa17: 23	Sp18: 23		92
6	"	"	"	"	Fa16: 23	Sp17: 47	Fa17: 64	Sp18: 44	Fa18: 46	224
7	Public	R2 Doctoral University	14,000	Java	Fa16: 109	Sp17: 51	Fa17: 113	Sp18: 53		326
8	Public	R2 Doctoral University	22,000	Java		Fa18: 48	Fa19: 56	Fa21: 51		155
9	Public	Associate's College	27,000	Java		Sp17: 45	Fa17: 45	Sp18: 48	Fa18: 42	180
10	Public	R1 Doctoral University	36,000	Java	Sp17: 124	Fa17: 70	Fa18: 97	Fa19: 198	Fa21: 201	690
11	Private	R1 Doctoral University	46,000	Java	Fa17: 25	Sp18: 26	Fa18: 28	Sp19: 21		100
12	Private	Liberal Arts College	1,000	Python		Fa18: 19	Fa19: 28			47
13	Private	Liberal Arts College	1,000	Java		Fa18: 32	Fa19: 16			48
14	Private	Liberal Arts College	2,000	Java	Fa18: 9	Sp19: 8	Fa19: 17			34
15	Private	Liberal Arts College	3,000	Java		Fa18: 62	Fa19: 22			84
16	Private	M2 Master's University	3,000	Python	Fa17: 17	Sp18: 33	Fa18: 30			80
17	Public	Associate's College	4,000	Java		Fa18: 13	Fa19: 6			19
18	Private	M1 Master's University	5,000	Java		Fa18: 15	Fa19: 22			37
19	Public	Doctoral/Professional	5,000	Java		Sp18: 21	Sp19: 20			41
20	Private	Doctoral/Professional	6,000	Python		Sp18: 19	Sp19: 17			36
21	Private	Doctoral/Professional	7,000	Java		Fa16: 18	Fa17: 21			39
22	Private	Doctoral/Professional	7,000	Python		Sp19: 48	Fa19: 41			89
23	Public	M1 Master's University	8,000	Python	Fa16: 93	Sp18: 39	Fa18: 120			252
24	"	"	"	"	Fa17: 96	Sp18: 77	Sp19: 91			264
25	Public	M1 Master's University	30,000	Java		Sp17: 25	Sp18: 24			49