

## APPENDIX E

COURSE BY COURSE ENROLLMENTS IN UNIVERSITIES  
AND FOUR-YEAR COLLEGES  
(In Thousands)

Name of Course (or equivalent)	Universities	Public Colleges	Private Colleges	Total*
1. Arithmetic for College Students	2	11	1	14
2. General Mathematics (basic skills, operations)	4	37	8	49
3. High School Geometry	L**	1	L**	1
4. Elementary Algebra (H.S.)	13	54	7	74
5. Intermediate Algebra (H.S.)	44	48	12	104
6. College Algebra	73	62	25	160
7. Trigonometry	18	16	4	38
8. College Algebra and Trigonometry, combined	22	28	11	61
9. Elementary Functions Precalculus mathematics	28	22	22	72
10. Mathematics for Liberal Arts	9	31	24	63
11. Finite Mathematics	34	42	19	95
12. Mathematics of Finance	1	3	L	4
13. Business Mathematics	11	22	11	44
14. Mathematics for Elementary School Teachers	16	22	6	44
15. Analytic Geometry	1	4	3	8
16. Other pre-calculus: specify	1	9	2	13

\*Total may differ from sum of columns here due to round-off.

\*\*L means less than 500.

Name of Course (or equivalent)	Universities	Public Colleges	Private Colleges	Total*
17. Calculus (math., phys., & eng. sciences)	183	121	101	405
18. Calculus (biol., social & mgmt. sciences)	63	29	12	104
19. Differential Equations	17	14	8	39
20. Differential Equations and Linear Algebra	4	1	0	5
21. Linear Algebra and/or Matrix Theory	15	10	12	37
22. Modern Algebra	3	5	3	10
23. Theory of Numbers	L	L	L	1
24. Combinatorics	1	L	L	1
25. Foundations of Mathematics	L	1	L	1
26. Set Theory	L	1	L	1
27. History of Mathematics	L	1	1	2
28. Geometry	1	2	2	4
29. Math. for Secondary School Teachers (methods, etc.)	L	1	L	1
30. Mathematical Logic	L	1	1	2
31. Advanced Calculus	4	3	3	11
32. Advanced Math. for Engineers and Physicists	3	2	9	14
33. Vector Analysis	2	1	5	8
34. Advanced Differential Equations	1	L	0	1
35. Partial Differential Equations	1	L	L	2

Name of Course (or equivalent)	Universities	Public Colleges	Private Colleges	Total*
36. Numerical Analysis	3	3	3	10
37. Applied Mathematics Mathematical Modelling	1	1	L	2
38. Biomathematics	L	L	L	L
39. Operations Research	1	1	L	2
40. Complex Variables	2	1	1	3
41. Real Analysis	2	1	1	4
42. Topology	L	L	L	1
43. Senior Seminar in Mathematics	L	1	1	2
44. Independent Study in Mathematics	L	1	1	2
45. Other Mathematics: specify	3	2	1	6
46. Elementary Statistics	28	38	21	87
47. Probability (& Stat.) (no calculus prereq.)	5	10	2	17
48. Mathematical Statistics (Calculus)	8	5	3	16
49. Probability (Calculus)	6	4	3	13
50. Applied Statistical Analysis	6	2	L	8
51. Design & Analysis of Experiments	2	1	L	2
52. Regression (and Correlation)	1	L	0	1
53. Senior Seminar in Statistics	L	0	0	L
54. Independent Study in Statistics	L	L	0	L

Name of Course (or equivalent)	Universities	Public Colleges	Private Colleges	Total*
55. Other Statistics: specify	2	1	L	3
56. Computer Programming I (CS1)	53	52	49	154
57. Computer Programming II (CS2)	11	14	7	32
58. Introduction to Computer Systems (CS3)	5	8	4	16
59. Introduction to Discrete Structures	3	4	2	9
60. Introduction to Computer Organization (CS4)	4	4	3	12
61. Introduction to File Processing (CS5)	3	2	1	7
62. Operating Systems and Computer Architecture (CS6)	3	3	2	7
63. Data Structures and Algorithm Analysis (CS7)	5	4	2	12
64. Organization of Programming Languages (CS8)	3	2	1	6
65. Computers and Society (CS9)	3	10	3	16
66. Operating Systems and Computer Architecture II (CS10)	1	1	1	2
67. Database Management Systems Design (CS11)	2	1	1	4
68. Artificial Intelligence (CS12)	1	1	L	1
69. Algorithms (CS13)	2	L	L	2
70. Software Design and Develop- ment (CS14)	1	1	L	2

Name of Course (or equivalent)	Universities	Public Colleges	Private Colleges	Total*
71. Theory of Programming Languages (CS15)	L	1	L	1
72. Automata, Computability, and Formal Languages (CS16)	1	1	L	2
73. Numerical Mathematics: Analysis (CS17)	2	2	2	5
74. Numerical Mathematics: Linear Algebra (CS18)	L	1	L	1
75. Senior Seminar in Computer Science	L	1	L	1
76. Independent Study in Computer Science	L	L	L	1
77. Other Computer Science: specify	8	13	7	28