

2015 Major Field Test Comparative Data Guide

Major Field Test for Computer Science

The annual Comparative Data Guide (CDG) contains tables of scaled scores and percentiles for individual student scores and institutional means drawn directly from senior test takers across the nation. The report provides descriptive statistics based on the number of students that have completed the Major Field Test (MFT) for Computer Science since it was released in September 2011 through June 2015. Information about an institution gathered through MFT administrations cannot be released in any form attributable to or identifiable with an individual institution. The anonymity of each institution's performance is maintained by reporting only the aggregate performance of the selected reference group.

Below are descriptions of the various tables provided in this guide:

- **Individual Students Total Score/Subscore Distributions** – The distributions in these tables may be used to interpret individual student results by determining what percent of those taking the test at the selected institutions attained scores below that of a particular student. Each table shows scaled score intervals for Total Score and Subscores separately. By looking up the Total Score or Subscore and reading across the row to the corresponding number in the column headed "Percent Below," the percent of individuals scoring below any interval can be determined.
- **Institutional Means Total Score/Subscore Distributions** – The distributions in these tables present the number of institutions at each mean score level. These tables provide a way to compare the Total Score and Subscore means for your institution with those of other participating institutions you selected. These tables show the mean of means (or the average of the mean scores for those institutions/programs selected) as well as the standard deviations of those means.
- **Institutional Assessment Indicator Mean Score Distributions** – The assessment indicator summary information in these tables includes the frequency distribution of departmental/program means for each assessment indicator. These tables show the distribution of institutional rounded means as well as the average and standard deviations of those means.

Note that not all MFT titles in all subject areas generate subscores or assessment indicators. Please refer to the test content description for your subject area of interest at www.ets.org/mft/about/content to determine which score types you should expect to generate for your MFT test subject.

The following considerations should be kept in mind when interpreting comparative data:

- This data should be considered comparative rather than normative because the institutions included in the data do not represent proportionally the various types of higher education institutions and programs. The data are drawn entirely from institutions that choose to use MFT. Such a self-selected sample may not be representative of all institutions or programs.
- The number of students tested and sampling procedures vary from one institution to another. Therefore, it is impossible to verify that the students tested at each institution are representative of all the institution's students in that program.
- It is important that these comparisons involve students at approximately the same point in their educational careers. The tables report data for seniors only. Students who are not seniors are excluded from these calculations.
- The tables report data for institutions/programs that have tested five (5) or more seniors. Institutions/programs with fewer than five (5) test takers are excluded from these calculations. No single institution accounts for more than 3% percent of all the students included.

For more information about this report or other ways the Major Field Tests can help your program, contact an ETS Advisor at highered@ets.org or call 1-800-745-0269.

The following tables include tests taken as of June 30, 2015.

2015 Comparative Data Guide - MFT for Computer Science Institution List

Data includes seniors from domestic institutions who tested between September 2011 and June 2015.

Abilene Christian University, TX
Adelphi University, NY
Alabama A&M University, AL
Alabama State University, AL
Albion College, MI
Alma College, MI
Andrews University, MI
Angelo State University, TX
Appalachian State University, NC
Arkansas State University, AR
Armstrong State University, GA
Austin Peay State University, TN
Ball State University, IN
Barry University, FL
Belmont University, TN
Benedict College, SC
Benedictine College, KS
Bethel University (MN), MN
Bloomsburg University, PA
Boise State University, ID
Brigham Young University (HI), HI
Bryan College, TN
California State University - Bakersfield, CA
California State University - Chico, CA
California State University - Los Angeles, CA
California State University - Monterey Bay, CA
Calvin College, MI
Cameron University, OK
Capital University, OH
Central Connecticut State University, CT
Central Methodist University, MO
Central Washington University - Ellensburg, WA
Centre College, KY
Champlain College, VT
Christian Brothers University, TN
Christopher Newport University, VA
Citadel, The, SC
Claflin University, SC
Clemson University, SC
Coastal Carolina University, SC
College of Saint Benedict & Saint John's Univ., MN
Colorado Mesa University, CO
Columbia College (MO), MO
Columbus State University, GA
Dakota State University, SD
Dallas Baptist University, TX
Denison University, OH
DePauw University, IN
Dickinson State University, ND
East Carolina University, NC
East Central University, OK
East Tennessee State University, TN
Eastern Kentucky University, KY
Eckerd College, FL
Elizabeth City State University, NC
Elon University, NC
Evangel University, MO
Fairmont State University, WV
Faulkner University, AL
Felician College - Lodi, NJ
Ferrum College, VA
Florida Memorial University, FL
Fort Valley State University, GA
Freed-Hardeman University, TN
Frostburg State University, MD
Furman University, SC
George Fox University (OR), OR
Georgia College & State University, GA
Georgia Regents University, GA
Gonzaga University, WA
Grove City College, PA
Hanover College, IN
Henderson State University, AR
Hope College, MI
Humboldt State University, CA
Illinois College, IL
Illinois Wesleyan University, IL
Indiana University-Purdue University, IN
John Carroll University, OH
Kalamazoo College, MI
Kansas Wesleyan University, KS
La Sierra University, CA
Lafayette College, PA
Lake Forest College, IL
Lamar University, TX
Lander University, SC
Lane College, TN
Langston University, OK
LeTourneau University, TX
Lewis-Clark State College, ID
Liberty University, VA
Longwood University, VA
Loras College, IA
Louisiana State University in Shreveport, LA
Louisiana Tech University, LA
Manhattan College, NY
Marshall University, WV
Master's College, The, CA
McNeese State University, LA
Mercer University, GA
Middle Tennessee State University, TN
Middlebury College, VT
Midwestern State University, TX
Millsaps College, MS
Minnesota State University Moorhead, MN
Mississippi College, MS
Mississippi Valley State University, MS
Missouri State University, MO
Missouri University of Science and Technology, MO
Missouri Western State University, MO
Montana State University - Bozeman, MT
Montana Tech of the University of Montana, MT
Montclair State University, NJ
Morehead State University, KY
Morehouse College, GA
Mount St. Mary's University, MD
Mount Vernon Nazarene University, OH
Murray State University, KY
Muskingum University, OH
North American University, TX

Northeastern State University, OK	University of Akron, The, OH
Northern Kentucky University, KY	University of Alabama at Birmingham, AL
Northwest Missouri State University, MO	University of Alaska Anchorage, AK
Northwest Nazarene University, ID	University of Arkansas - Little Rock, AR
Oklahoma Christian University, OK	University of Central Arkansas, AR
Old Dominion University, VA	University of Evansville, IN
Olivet Nazarene University, IL	University of Findlay, The, OH
Pace University - Pleasantville/Briarcliff, NY	University of Hawaii - Hilo, HI
Pacific Lutheran University, WA	University of Illinois at Chicago, IL
Point Loma Nazarene University, CA	University of Louisiana at Monroe, LA
Quincy University, IL	University of Mary Hardin-Baylor, TX
Radford University, VA	University of Mary Washington, VA
Randolph-Macon College, VA	University of Memphis, TN
Rogers State University, OK	University of Missouri - Kansas City, MO
Saint Francis University, PA	University of Missouri - St. Louis, MO
Saint Vincent College, PA	University of Nebraska - Omaha, NE
San Diego State University, CA	University of New Orleans, LA
Seattle Pacific University, WA	University of North Carolina at Greensboro, NC
Shaw University, NC	University of North Carolina at Wilmington, NC
Shippensburg University, PA	University of North Georgia, GA
South Carolina State University, SC	University of North Texas - Dallas, TX
South Dakota School of Mines & Technology, SD	University of Portland, OR
South Dakota State University, SD	University of Scranton, PA
Southeast Missouri State University, MO	University of South Alabama, AL
Southeastern Louisiana University, LA	University of South Carolina - Upstate, SC
Southern Adventist University, TN	University of Southern Mississippi, MS
Southern Utah University, UT	University of Tennessee - Knoxville, TN
Southern Virginia University, VA	University of Tennessee at Martin, TN
Southwest Baptist University, MO	University of Texas at Brownsville, The, TX
Southwest Minnesota State University, MN	University of Texas Pan American, TX
Southwestern Adventist University, TX	University of the Pacific, CA
Southwestern University, TX	University of Virginia's College at Wise, The, VA
Spelman College, GA	University of Wisconsin - La Crosse, WI
St. Bonaventure University, NY	University of Wisconsin - Parkside, WI
St. Edward's University, TX	Utah Valley University, UT
Tennessee State University, TN	Voorhees College, SC
Tennessee Tech University, TN	Wake Forest University, NC
Texas A&M University - Corpus Christi, TX	Walla Walla University, WA
Texas A&M-Commerce, TX	Washburn University, KS
Tougaloo College, MS	Western Washington University, WA
Touro College, NY	Wiley College, TX
Transylvania University, KY	Winona State University, MN
Trinity Christian College, IL	Wittenberg University, OH
Truman State University, MO	Xavier University, OH
Union University, TN	Xavier University of Louisiana, LA
United States Air Force Academy, CO	Yeshiva University, NY
United States Naval Academy, MD	York College of Pennsylvania, PA

**2015 Comparative Data Guide - MFT for Computer Science
Individual Students Total Score Distribution**

Data includes seniors from domestic institutions who tested between September 2011 and June 2015.

Number of Examinees	Mean	Median	Standard Deviation
7,530	149.3	147.0	15.3

Individual Students Total Score Distribution

Total Score Range (120 - 200)	Percent Below
188 - 200	99
187	98
186	98
185	98
184	97
183	97
182	97
181	96
180	96
179	96
178	95
177	95
176	94
175	94
174	93
173	91
172	91
171	90
170	88
169	88
168	86
167	86
166	84
165	82
164	82
163	79
162	77
161	77
160	74
159	74
158	71
157	67
156	67
155	64
154	60
153	60
152	57
151	57
150	53
149	50
148	50
147	46
146	42
145	42
144	38
143	38

Total Score Range (120 - 200)	Percent Below
142	34
141	30
140	30
139	27
138	23
137	23
136	20
135	20
134	16
133	13
132	13
131	10
130	8
129	8
128	6
127	6
126	4
125	2
124	2
120 - 123	1

Total Scores are reported as *scaled scores*.
 Percent Below based on percent below the lower limit of the score interval.

2015 Comparative Data Guide - MFT for Computer Science Institutional Means Total Score Distribution

Data includes seniors from domestic institutions who tested between September 2011 and June 2015.

Number of Institutions	Mean	Median	Standard Deviation
214	147.2	147.0	9.7

Institutional Means Total Score Distribution

Mean Total Score Range (120 - 200)	Percent Below
167 - 200	99
166	97
165	95
164	95
163	94
162	92
161	91
160	91
159	88
158	86
157	83
156	80
155	77
154	73
153	71
152	67
151	63
150	58
149	54
148	50
147	46
146	40
145	35
144	32
143	27
142	22
141	20
140	18
139	16
138	15
137	14
136	12
135	11
134	11
133	10
132	10
131	8
130	7
129	4
120 - 128	1

Total Scores are reported as *scaled scores*.
Percent Below based on percent below the lower limit of the score interval.

2015 Comparative Data Guide - MFT for Computer Science¹ Institutional Assessment Indicator Mean Score Distributions

Data includes seniors from domestic institutions who tested between September 2011 and June 2015.

Assessment Indicator	Number of Institutions	Mean	Median	Standard Deviation
1: Programming and Software Engineering	214	47.1	48.0	11.8
2: Discrete Structures and Algorithms	214	38.2	38.0	9.4
3: Systems: Architecture, Operating Systems, Networking, Database	214	37.5	38.0	8.6

Institutional Assessment Indicator Mean Score Distributions

Mean Percent Correct (0-100%)	A1 ² Percent Below	A2 ² Percent Below	A3 ² Percent Below
71 - 100	99	99	99
70	99	99	99
69	98	99	99
68	97	99	99
67	96	99	99
66	96	99	99
65	95	99	99
64	93	99	99
63	92	98	99
62	91	98	99
61	89	98	99
60	87	98	99
59	84	97	99
58	79	97	98
57	77	96	98
56	74	95	97
55	72	95	96
54	69	94	96
53	64	93	95
52	60	93	95
51	57	91	93
50	54	88	92
49	52	86	90
48	46	84	87
47	42	82	84
46	36	78	80
45	35	73	78

Mean Percent Correct (0-100%)	A1 ² Percent Below	A2 ² Percent Below	A3 ² Percent Below
44	29	71	75
43	28	67	73
42	27	64	70
41	24	61	65
40	22	57	60
39	20	51	55
38	17	48	49
37	16	42	43
36	14	39	38
35	13	32	31
34	12	28	29
33	12	25	25
32	12	22	21
31	11	20	18
30	11	18	17
29	10	16	16
28	10	15	14
27	8	14	12
26	7	10	11
25	7	7	8
24	6	6	7
23	4	5	5
22	3	3	4
21	2	2	2
0 - 20	1	1	1

¹ Assessment Indicators for this test cannot be compared to testing years prior to 2011 due to changes in the Computer Science test that were introduced in 2011.

² Assessment Indicator 1: Programming and Software Engineering
 Assessment Indicator 2: Discrete Structures and Algorithms
 Assessment Indicator 3: Systems: Architecture, Operating Systems, Networking Database

Assessment Indicators are reported as *percent correct*.
 Percent Below based on percent below the lower limit of the score interval.