



# Major Field Tests

Listening. Learning. Leading.®

Major Field Test in Chemistry (form: 4CMF)  
 Individual Students Total Score Distribution  
 Data includes Seniors from Domestic Institutions -- August 2006 to June 2009

Total Score Range (120 - 200)	% at or below
177 - 200	95
176	
175	
174	
173	90
172	
171	
170	
169	
168	
167	85
166	
165	
164	
163	80
162	
161	
160	75
159	
158	
157	70
156	
155	
154	65
153	
152	60
151	
150	55
149	
148	50
147	
146	
145	45
144	
143	40
142	
141	35
140	
139	30
138	
137	25
136	
135	20
134	
133	15
132	
131	10
130	
129	5
128	
120 - 127	1

Number of Examinees	4,711
Mean	148.1
Median	146
Standard Deviation	14.7

Total Scores are reported as *scaled scores*.  
 % at or below based on percent below the lower limit  
 of the score interval.

Major Field Test in Chemistry<sup>1</sup> (form: 4CMF)  
 Individual Students Subscore Distributions  
 Data includes Seniors from Domestic Institutions -- August 2006 to June 2009

Subscores <sup>2</sup> Range (20 - 100)	Subscore % at or below				Subscores <sup>2</sup> Range (20 - 100)	
	1	2	3	4		
78-100	95		95	95	78-100	
77	90	95	90	90	77	
76						76
75						75
74						74
73		90	90	73		
72					72	
71					71	
70					70	
69	85			69		
68	80	85	85	68		
67				67		
66				66		
65				65		
64		80	80	64		
63					63	
62	75				62	
61					61	
60	70	75	75	60		
59				59		
58				58		
57				57		
56		70		56		
55	65		70	55		
54	55	60		54		
53				53		
52			60	60	52	
51					51	
50				50		
49	50			55	49	
48			45	50	48	
47					47	
46				45	46	
45	40	40		45	45	
44			40		44	
43				40	43	
42					42	
41	30	30		41		
40	25		30	30	40	
39			20		39	
38				25	38	
37					37	
36	15	15	20		36	
35				15	35	
34					34	
33			10	10	33	
32	10			32		
31	5			10	31	
30			5	5	30	
29					29	
28					28	
20 - 27	4,711	1	1	1	20 - 27	

Number of Examinees	4,711	4,711	4,711	4,711
Mean	48.9	48.8	48.2	48.0
Median	46	49	45	47
Standard Deviation	15.0	14.3	14.5	14.8

<sup>1</sup>Subscores for this test cannot be compared to testing years prior to 2006 due to changes in the Chemistry Test that were introduced in 2006.

<sup>2</sup>Subscore 1: Physical Chemistry  
 Subscore 2: Organic Chemistry  
 Subscore 3: Inorganic Chemistry  
 Subscore 4: Analytical Chemistry

Subscores are reported as *scaled scores*.  
 % at or below based on percent below the lower limit  
 of the score interval.



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Major Field Test in Chemistry (form: 4CMF)  
Institutional Means Total Score Distribution  
Data includes Seniors from Domestic Institutions -- August 2006 to June 2009

Mean Total Score Range (120 - 200)	% at or below
164 - 200	95
163	90
162	
161	
160	85
159	
158	
157	80
156	
155	75
154	
153	70
152	
151	65
150	
149	60
148	
147	55
146	
145	50
144	
143	45
142	
141	40
140	
139	35
138	
137	30
136	
135	25
134	
133	20
132	
131	15
130	
129	10
128	
127	5
126	
125	
124	
123	
122	
121	
120 - 133	1

Number of Institutions	187
Mean	147.3
Median	147
Standard Deviation	9.5

Total Scores are reported as *scaled scores*.  
% at or below based on percent below the lower limit  
of the score interval.



# Major Field Tests

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Major Field Test in Chemistry<sup>1</sup> (form: 4CMF)  
 Institutional Means Subscore Distributions  
 Data includes Seniors from Domestic Institutions -- August 2006 to June 2009

Subscores <sup>2</sup> Range (20 - 100)	Subscore % at or below				Subscores <sup>2</sup> Range (20 - 100)
	1	2	3	4	
65-100	95	95	95	95	65-100
64					64
63	90				63
62		90	90	90	62
61					61
60	85			85	60
59		85			59
58			85		58
57	80			80	57
56		80			56
55			80		55
54	70	75	75	75	54
53		70	70	70	53
52	65	65		65	52
51	60	60	65	60	51
50	55		60	55	50
49		55	55		49
48	50	50	50	50	48
47	45	45	45	45	47
46		40	40		46
45	40	35	35	40	45
44	35	30	30	35	44
43	30		25	30	43
42	25	25	20		42
41	20		15	25	41
40	15	15		20	40
39			10	15	39
38	10	10	5		38
37				10	37
36	5	5			36
35			1	5	35
20-34	1	1		1	20-34

Number of Institutions	187	187	187	187
Mean	48.1	47.7	47.9	47.3
Median	47	47	47	47
Standard Deviation	9.1	8.7	8.1	8.9

<sup>1</sup>Subscores for this test cannot be compared to testing years prior to 2006 due to changes in the Chemistry Test that were introduced in 2006.

<sup>2</sup>Subscore 1: Physical Chemistry  
 Subscore 2: Organic Chemistry  
 Subscore 3: Inorganic Chemistry  
 Subscore 4: Analytical Chemistry

Subscores are reported as *scaled scores*.  
 % at or below based on percent below the lower limit of the score interval.

Major Field Test in Chemistry<sup>1</sup> (form: 4CMF)  
 Institutional Assessment Indicator Mean Score Distributions  
 Data includes Seniors from Domestic Institutions -- August 2006 to June 2009

Mean Percent Correct	Assessment Indicators <sup>2</sup>		Mean Percent Correct
	% at or below		
	AI 1	AI 2	
64 - 100	95		64 - 100
63			63
62	90	95	62
61			61
60	85		60
59			59
58	80	90	58
57			57
56	75		56
55	70		55
54	65	85	54
53			53
52	60		52
51	55	80	51
50	50		50
49		75	49
48	45	70	48
47	40		47
46	35	65	46
45	30	60	45
44	25	55	44
43	20		43
42		50	42
41	15	45	41
40	10		40
39		40	39
38		35	38
37	5	30	37
36		25	36
35		20	35
34		15	34
33			33
32		10	32
31			31
30	1	5	30
29			29
28			28
0 - 27		1	0 - 27

Number of Institutions	187	187
Mean	48.6	41.8
Median	49	41
Standard Deviation	9.0	9.4

<sup>1</sup>Assessment Indicators for this test cannot be compared to testing years prior to 2006 due to changes in the Chemistry Test that were introduced in 2006.

<sup>2</sup>Assessment Indicator 1: Biochemistry  
 Assessment Indicator 2: Critical Thinking and Reasoning

Assessment Indicators are reported as *percent correct*.  
 % at or below based on percent below the lower limit of the score interval.