

## Chapter X: FRESHMAN / JUNIOR TESTING

*(As of Fall 2001, freshmen testing is suspended.)*

*Who takes it?*

Entering freshmen. The students then take an identical test two years later (after accumulating 60 credit hours). Half of the students take the CAAP test and the other half take the Academic Profile test.

*When is it administered?*

Freshmen take it during Truman (Freshman) Week. Juniors take it either in the fall or spring semester at specially arranged times by the Assessment and Testing Office.

*How long does it take for the student to complete the test?*

2 ½ to 3 hours for each test.

*What office administers it?*

The Assessment and Testing Office.

*Who originates the tests?*

Currently two tests are given: the CAAP (ACT) and the Academic Profile (ETS). Since each test focuses on different components, the two tests together prove to be effective assessment instruments.

*When are the results typically available?*

For the individual student, results are available several months after the test is taken. University reports for the fiscal year are typically available in late June.

*What type of information is sought?*

Information about the liberal arts based general education curriculum.

The CAAP (Collegiate Assessment of Academic Proficiency) from ACT provides measurement in five areas: science, mathematics, reading, writing, and critical thinking. Students randomly take tests in four of the five areas. When students take it a second time, they take tests in the same four areas to see whether improvement has been made (value added). The Academic Profile from the Educational Testing Services tests students in all of these areas: natural science, social science, mathematics, humanities, reading, writing, and critical thinking. All students who take the Academic Profile take the same test both times.

CAAP: American College Testing Program  
PO Box 168, Iowa City, IA  
(319) 337-1053

Academic Profile: Higher Education Assessment, Educational Testing Service, Princeton, NJ  
08541  
(609) 951-6508

*From whom are the results available?*

From the Assessment and Testing Office.

*Are the results available by division or discipline?*

Yes.

*To whom are the results regularly distributed?*

Individual results are communicated to students and their advisors. University, division, and discipline averages are sent to the President, VPAA, Division Heads, Assessment Committee, and selected administrators.

*Are the results comparable to data of other universities?*

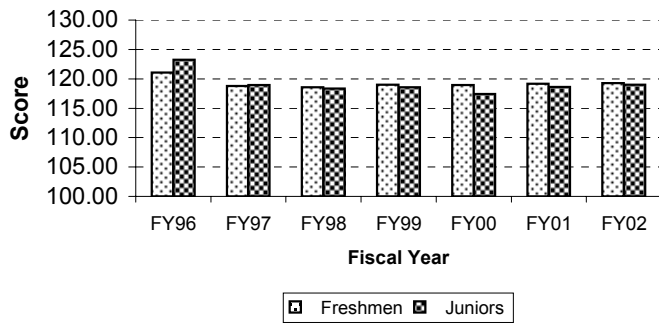
Both the CAAP and Academic Profile provide comparative data norms. The CAAP has nationally normed scores for each test module, while the Academic Profile provides norms for only the total score.

**Freshman - Junior Testing**  
**Pre-Test/Post-Test Results, FY96-FY02**  
**Academic Profile**

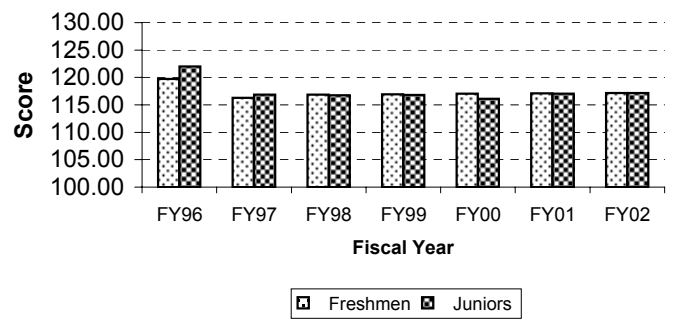
	1995-96 FY96	1996-97 FY97	1997-98 FY98	1998-99 FY99	1999-00 FY00	2000-01 FY01	2001-02 FY02
<b>Humanities</b>	N=72	N=182	N=539	N=558	N=597	N=558	N=434
Freshmen	121.09	118.78	118.57	119.02	118.94	119.14	119.30
Juniors	123.25	118.96	118.37	118.56	117.45	118.61	119.00
Change +/-	2.15	0.18	-0.20	-0.45	-1.49	-0.53	-0.30
%positive/%negative/%unchanged	68.1/16.7/15.3	50.0/42.3/7.7	50.3/39.0/10.8	48.9/45.2/59.1	44.9/44.9/10.2	50.4/42.7/7.0	43.8/48.8/7.4
<b>Social Science</b>	N=72	N=182	N=539	N=558	N=597	N=558	N=434
Freshmen	119.70	116.31	116.87	116.92	117.03	117.11	117.14
Juniors	121.98	116.87	116.77	116.81	116.10	117.03	117.14
Change +/-	2.27	0.55	-0.09	-0.10	-0.92	-0.08	0.00
%positive/%negative/%unchanged	69.4/19.4/11.1	53.8/38.5/7.7	50.1/41.6/8.3	52.2/40.9/7.0	48.6/44.6/6.9	52.2/38.7/9.1	47.9/41.7/10.4
<b>Natural Science</b>	N=72	N=182	N=539	N=558	N=597	N=558	N=434
Freshmen	121.7	118.89	118.89	119.53	119.34	119.63	119.80
Juniors	123.18	118.71	118.87	118.90	117.86	118.99	118.54
Change +/-	1.48	-0.18	-0.02	-0.62	-1.47	-0.63	-1.25
%positive/%negative/%unchanged	61.1/25.0/13.9	51.1/37.9/11.0	52.3/39.3/8.3	50.9/41.2/7.9	46.4/45.6/8.0	48.4/41.2/12.9	38.2/54.6/7.1
<b>Reading</b>	N=72	N=182	N=539	N=558	N=597	N=558	N=434
Freshmen	124.19	121.45	121.40	122.07	121.62	121.9	122.29
Juniors	126.1	120.91	120.54	120.62	119.30	120.76	121.99
Change +/-	1.9	-0.53	-0.85	-1.45	-2.31	-1.14	-0.029
%positive/%negative/%unchanged	68.1/23.6/8.3	48.4/44.0/7.7	48.1/41.9/10.0	45.5/44.1/10.4	42.4/46.9/10.7	45.0/42.1/12.9	41.5/46.5/12.0
<b>Writing</b>	N=72	N=182	N=539	N=558	N=597	N=558	N=434
Freshmen	120.87	118.26	118.48	118.46	118.78	118.87	119.02
Juniors	121.97	118.03	118.37	118.23	117.46	118.44	118.67
Change +/-	1.09	-0.23	-0.11	-0.22	-1.31	-0.43	-0.34
%positive/%negative/%unchanged	56.9/29.2/13.9	50.5/42.9/6.6	52.1/39.0/8.9	50.5/38.9/10.6	45.4/45.9/8.7	47.0/43.2/9.9	41.9/47.5/10.6
<b>Critical Thinking</b>	N=72	N=182	N=539	N=558	N=597	N=558	N=434
Freshmen	117.36	114.23	114.43	114.91	114.89	115.07	114.91
Juniors	120.23	115.56	115.05	115.39	114.61	115.39	115.66
Change +/-	2.87	1.33	0.61	0.48	-0.27	0.32	0.74
%positive/%negative/%unchanged	69.4/25.0/5.6	56.6/32.4/11.0	56.0/36.9/7.1	55.0/38.4/6.6	50.4/42.5/7.0	54.7/36.2/9.1	54.1/39.2/6.7
<b>Mathematics</b>	N=72	N=182	N=539	N=558	N=597	N=558	N=434
Freshmen	120.68	118.15	118.70	119.10	119.14	118.47	119.23
Juniors	122.16	118.49	118.44	118.37	117.68	119.24	119.58
Change +/-	1.48	0.33	-0.26	-0.72	-1.45	-0.77	0.35
%positive/%negative/%unchanged	65.3/26.4/8.3	55.5/36.8/7.7	47.9/40.8/11.3	48.7/40.7/10.6	45.1/45.7/9.2	48.2/42.3/9.5	51.8/38.9/9.2
<b>Total</b>	N=72	N=182	N=539	N=558	N=597	N=558	N=434
Freshmen	467.20	457.28	458.10	459.47	459.36	459.98	460.26
Juniors	473.84	458.17	457.58	457.76	454.60	458.16	460.54
Change +/-	6.63	0.89	-0.51	-1.71	-4.76	-1.81	0.27
%positive/%negative/%unchanged	80.6/16.7/2.8	61.5/36.3/2.2	58.3/38.4/3.3	55.2/41.6/3.2	53.9/43.9/2.2	56.5/40.1/3.4	53.7/41.9/4.4

Note: Beginning in Fall 1994, the Academic Profile replaced the COMP as a junior test.

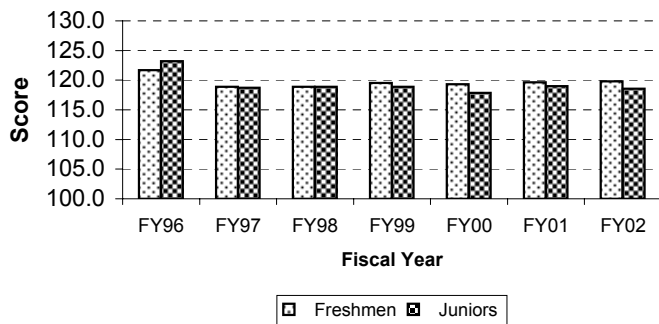
### Humanities



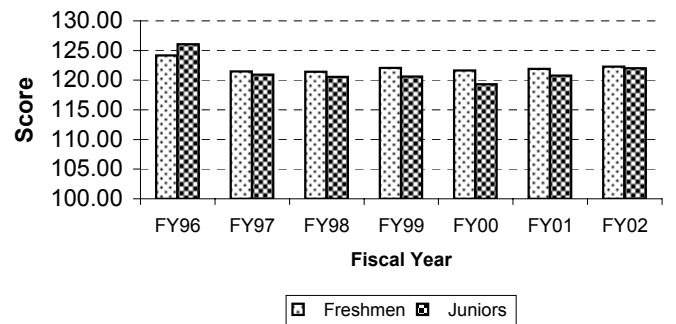
### Social Sciences



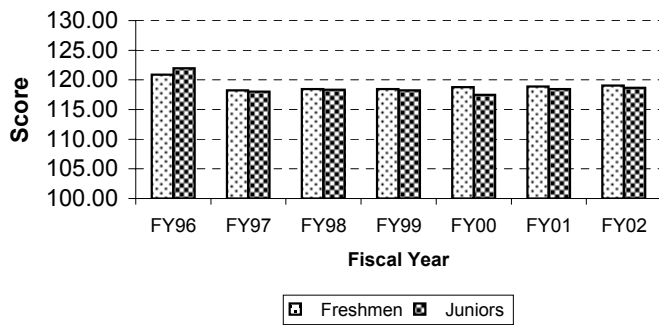
### Natural Sciences



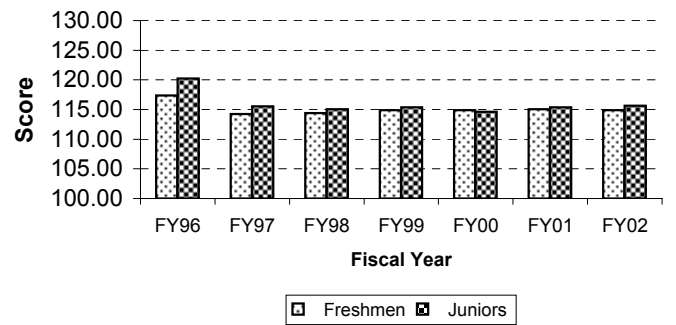
### Reading



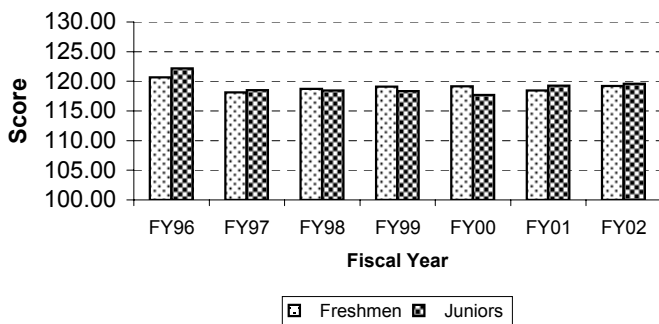
### Writing



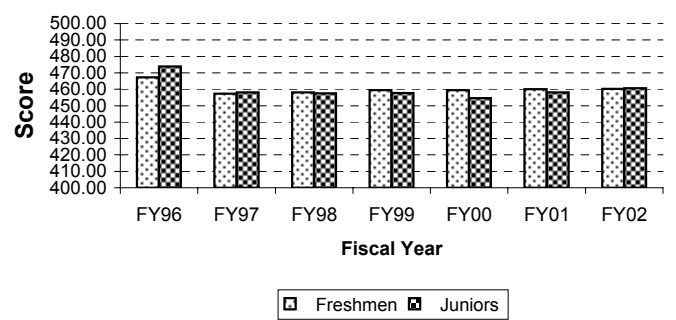
### Critical Thinking



### Mathematics



### Total



**Freshman - Sophomore/Junior Testing**  
**Pre-Test/Post-Test Results, FY93-FY02**  
**CAAP\* Tests: Pre-test/Post-test Scale Scores and Percentiles**

	1992-93 FY93	1993-94** FY94	1994-95 FY95	1995-96 FY96	1996-97 FY97	1997-98 FY98	1998-99 FY99	1999-00 FY00	2000-01 FY01	2001-02 FY02
<b>WRITING SKILLS</b>	N=145	N=18	N=155	N=533	N=498	N=460	N=415	N=469	N=401	N=334
Freshmen	66.29	66.50	67.05	66.76	67.24	66.73	66.92	67.92	67.94	67.01
Sophomores/Juniors	66.39	67.55	66.08	66.90	66.92	67.30	66.06	66.19	66.16	67.31
Change +/-	0.09	1.05	-0.96	0.13	-0.31	0.56	-0.86	-1.72	-1.78	0.29
%positive/%negative/%unchanged	44.8/38.6/16.6	77.8/22.2/0.0	45.2/42.6/12.2	49.9/32.6/17.4	47.4/37.3/15.3	60.9/26.1/13.0	42.9/41.4/15.7	31.6/51.0/17.5	45.4/39.7/15.0	55.4/24.0/20.7
Pre-Test %ile ****	73.0	74.5	76.3	74.1	72.9	61.5	62.0	73.4	75.6	74.1
Post-Test%ile *****	69.1	79.9	70.6	72.0	70.2	73.1	62.5	63.5	62.4	71.5

<b>READING</b>	N=523	N=172	N=563	N=593	N=477	N=436	N=418	N=461	N=390	N=338
Freshmen	64.76	64.16	63.90	64.31	64.57	64.41	64.22	64.66	64.32	64.32
Sophomores/Juniors	65.22	64.58	63.03	64.70	64.29	63.91	62.60	63.06	62.59	63.41
Change +/-	0.46	0.41	-0.87	0.38	-0.27	-0.50	-1.61	-1.60	-1.73	-0.90
%positive/%negative/%unchanged	51.2/38.1/10.7	54.1/40.1/5.8	45.5/46.0/8.5	53.6/35.9/10.5	48.4/43.2/8.4	48.6/43.6/7.8	41.1/52.2/6.7	43.0/46.9/10.2	41.5/47.9/10.5	46.4/45.0/8.6
Pre-Test %ile ****	75.3	71.1	64.9	68.2	67.4	64.5	57.8	63.3	63.2	66.9
Post-Test%ile *****	70.1	67.1	58.2	65.6	62.0	59.3	48.8	51.5	48.1	54.3

<b>MATHEMATICS</b>	N=507	N=174	N=552	N=560	N=482	N=475	N=455	N=494	N=394	N=329
Freshmen	59.76	59.92	59.53	59.55	60.17	59.98	59.88	60.07	60.89	60.60
Sophomores/Juniors	60.61	59.99	59.53	60.10	59.87	59.90	60.52	60.27	60.48	60.78
Change +/-	0.84	0.06	0.00	0.54	-0.29	-0.08	0.64	0.20	-0.40	0.18
%positive/%negative/%unchanged	56.2/30.2/13.6	43.1/40.8/16.1	45.8/43.1/11.1	52.9/36.8/10.4	43.4/42.5/14.1	42.7/44.2/13.1	54.5/35.4/10.1	53.0/35.4/11.5	48.0/40.9/11.2	48.6/38.9/12.5
Pre-Test %ile ****	76.0	78.5	66.2	68.4	73.2	71.8	66.9	68.6	76.9	76.0
Post-Test%ile *****	78.5	73.9	73.2	76.6	76.0	76.3	80.6	77.2	76.3	77.0

<b>CRITICAL THINKING</b>	N=544	N=170	N=574	N=544	N=494	N=462	N=474	N=490	N=394	N=350
Freshmen	64.23	64.06	64.36	64.20	64.69	65.04	64.17	64.15	64.93	65.15
Sophomores/Juniors	65.57	64.32	63.67	65.30	64.42	63.87	63.23	63.77	63.48	63.18
Change +/-	1.34	0.26	-0.68	1.10	-0.26	-1.19	-0.94	-0.37	-1.44	-1.97
%positive/%negative/%unchanged	61.4/29.0/9.6	55.9/39.4/4.7	49.5/42.3/8.2	59.0/29.4/11.6	53.4/37.0/9.5	43.3/48.7/8.0	50.6/41.4/8.0	50.4/39.8/9.8	47.7/43.9/8.4	41.7/50.3/8.0
Pre-Test %ile ****	70.4	69.4	66.5	66.2	67.1	67.3	58.0	59.1	70.6	74.8
Post-Test%ile *****	71.0	62.9	58.4	63.5	59.1	57.7	55.1	62.4	58.8	54.6

<b>SCIENCE REASONING***</b>	N=542	N=172	N=580	N=522	N=465	N=460	N=413	N=479	N=422	N=357
Freshmen	61.50	61.16	61.51	61.89	62.19	61.80	62.08	61.73	62.12	62.14
Sophomores/Juniors	62.99	62.12	60.50	61.98	61.60	61.61	60.77	60.77	60.88	60.83
Change +/-	1.48	0.95	-1.01	0.08	-0.59	-0.18	-1.31	-0.95	-1.24	-1.30
%positive/%negative/%unchanged	62.2/26.0/11.8	58.1/33.1/8.7	41.4/47.8/10.9	50.4/40.2/9.4	48.8/41.5/9.7	49.3/38.9/11.7	38.5/52.3/9.2	44.7/46.8/8.6	44.3/48.8/6.9	45.4/48.5/6.2
Pre-Test %ile ****	61.00	58.96	41.06	68.45	66.71	61.40	64.7	63.6	65.1	63.3
Post-Test%ile *****	51.95	59.08	51.50	63.88	62.60	62.27	54.9	52.4	52.0	50.6

Note: In each column, data reflect scores of students who, during that year, completed the "Sophomore"/"Junior" retest. The "Freshman" score in that column is the matched pretest mean, reflecting scores earned by these same students whenever they first entered. The table is therefore a longitudinal summary by cohort, not a comparison of the Freshman vs. Sophomore/Junior scores within a given year.

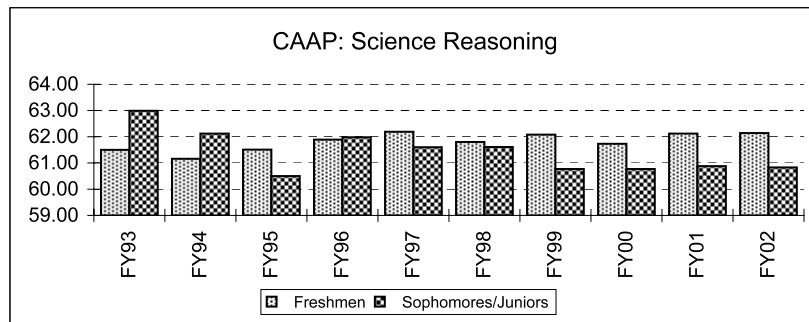
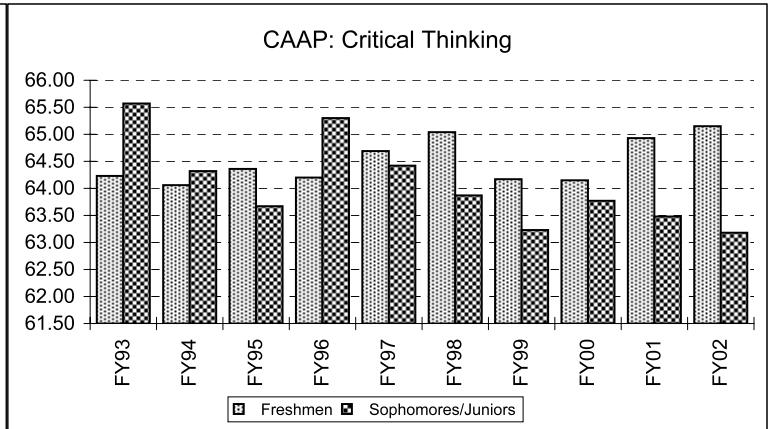
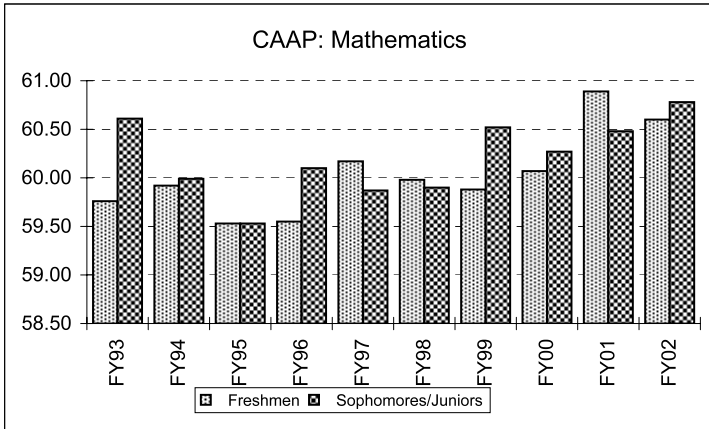
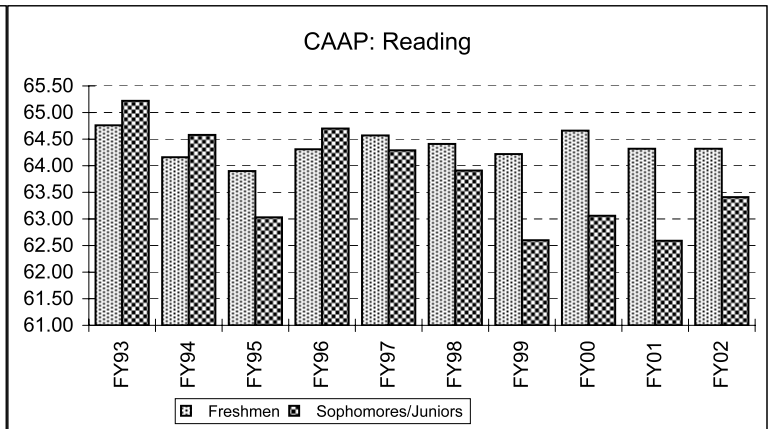
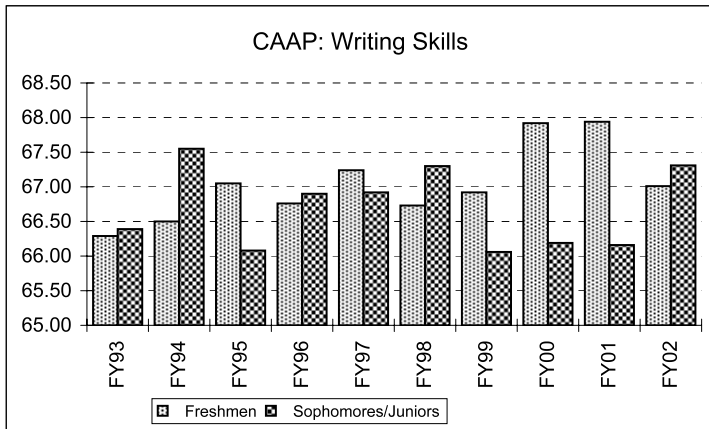
\* CAAP tests were first introduced in 1989; for FY89 and FY90, there are therefore no corresponding Freshman tests for comparison.

\*\* Beginning in Fall 1993 (FY94), Sophomore/Junior testing follows the completion of 60 CH of coursework (vs. 45 CH in previous years).

\*\*\* The Science Reasoning module was introduced a year later than the other four modules.

\*\*\*\* Percentiles are estimated for the pre-test (freshman) using the closest fall user norms, i.e. a student who took the post-test in fall of 1997 more than likely took their pre-test in the fall of 1995, thus 1995 user norms were used.

\*\*\*\*\* Percentiles are estimated for the post-test (sophomore/junior test) using the closest fall user norms, i.e. for a student who took the post test in fall of 1997



\* CAAP tests were first introduced in 1989; for FY89 and FY90, there are therefore no corresponding Freshman tests for comparison.