

Annual FTE Program Distributions for  
Technology, Mathematics and Physical Sciences Division 1994 - 2003

*Office of Research*  
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The following pages provide ten-year annual FTE graphs for each prefix or program within the Technology, Mathematics and Physical Sciences Division and for the Division overall. Each graph shows both a prefix graph (with scale on the left) and an overall Harper graph (with scale on the right). Following the graphs, a table containing FTE values for each prefix is provided. Data were obtained from the Registrar's Office.

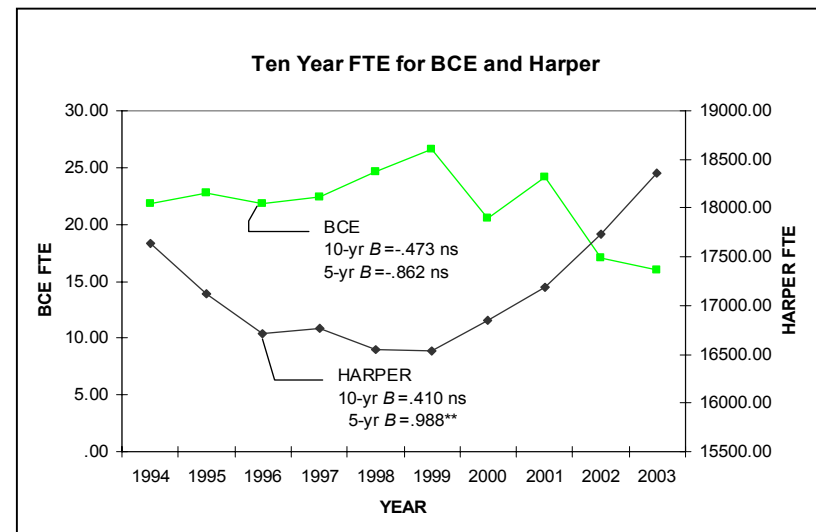
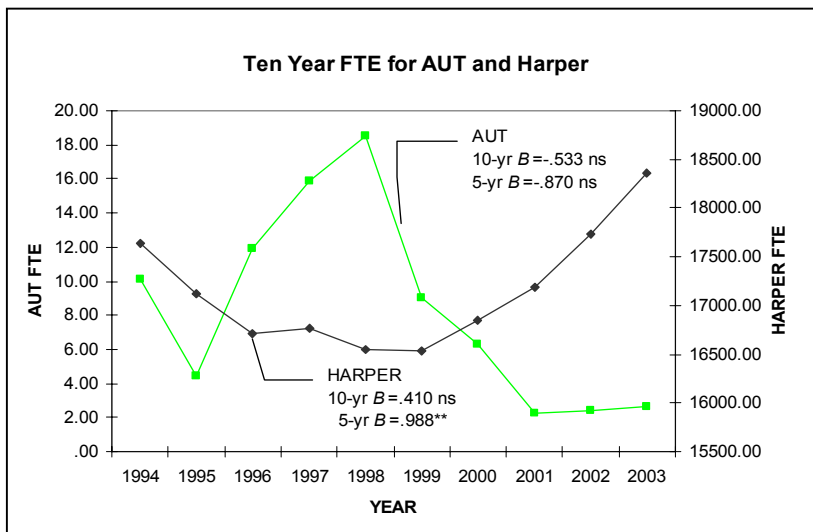
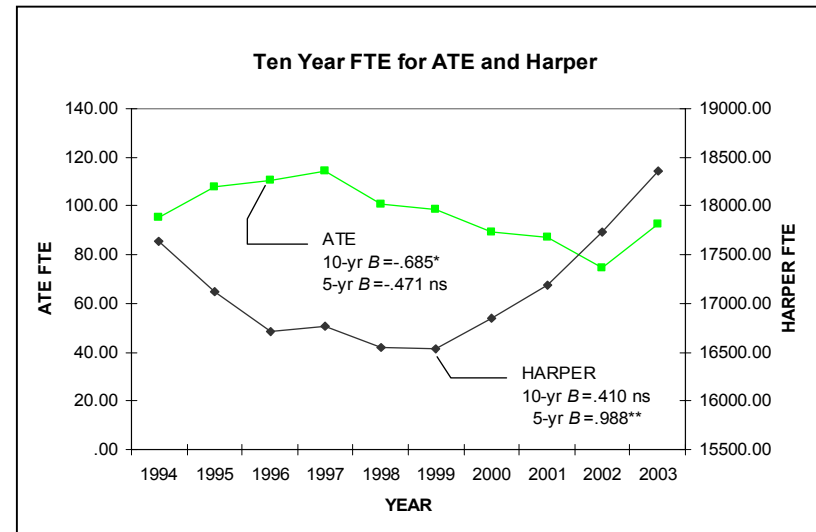
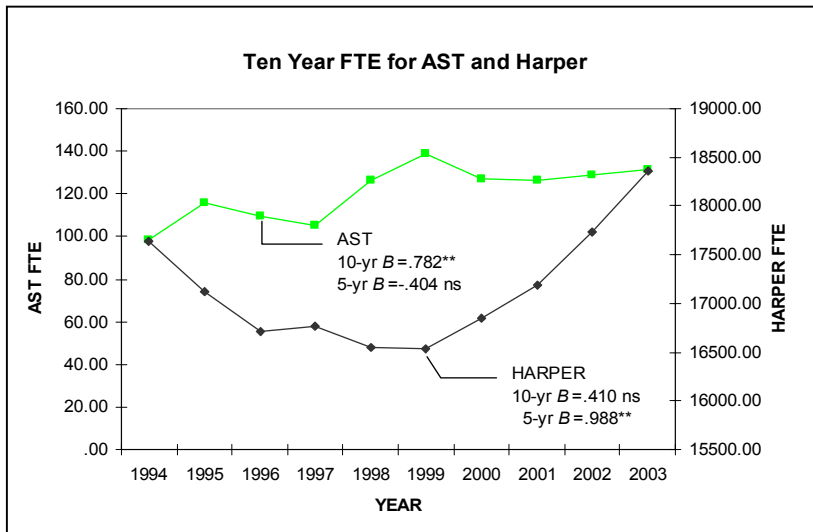
Each graph has 10-year (1994-2003) and 5-year (1999-2003) *standardized beta* coefficients for linear trends reported. Trends significant at the .05 level are followed by \*, trends significant at the .01 level are followed by \*\*, and trends not significantly different from 0 (a horizontal line) are followed by ns. The standardized beta coefficients were obtained from *linear* regression analyses although some of the graphs are clearly not linear. Standardized coefficients were used to allow comparison of coefficients. Standardized beta coefficients range from -1 to +1 with zero indicating enrollment was steady (neither increasing nor decreasing by very much). Negative values indicate downward trends; positive values indicate upward trends.

A significant result indicates the presence of a significant linear component. If the probability of obtaining a beta coefficient different from zero when there was no linear trend was less than .05, the trend line was considered significant. A non-significant result indicates either the FTE changed very little from year to year or no linear trend was present.

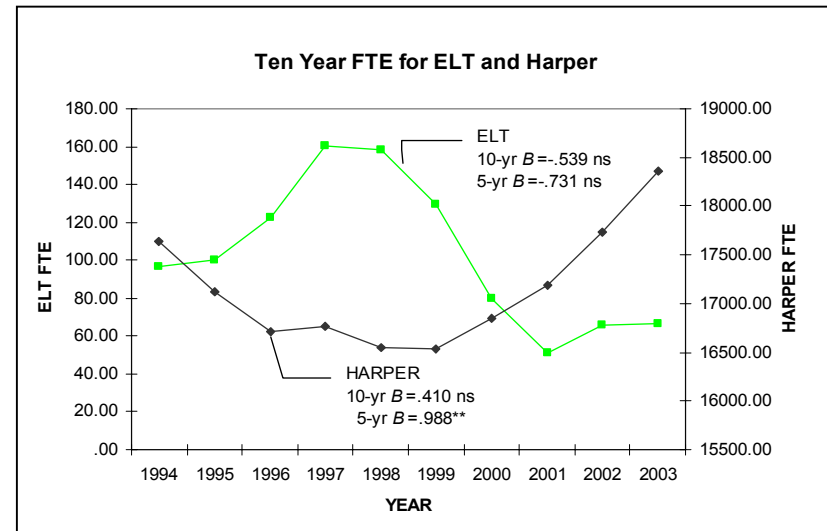
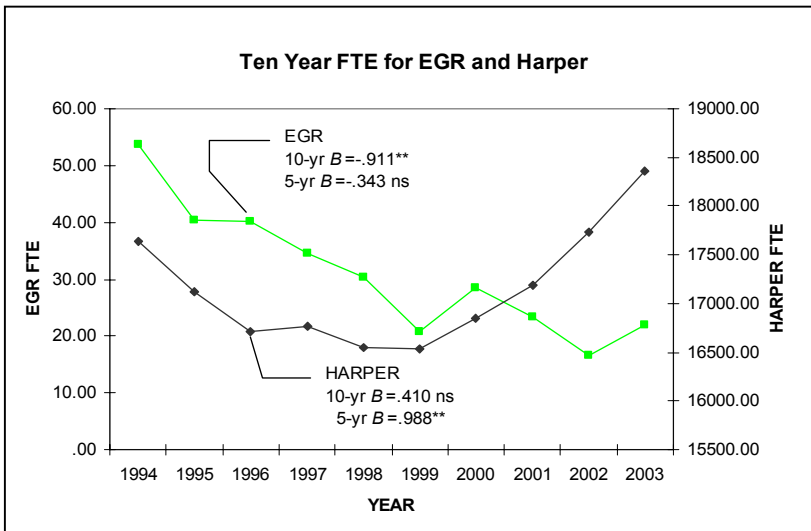
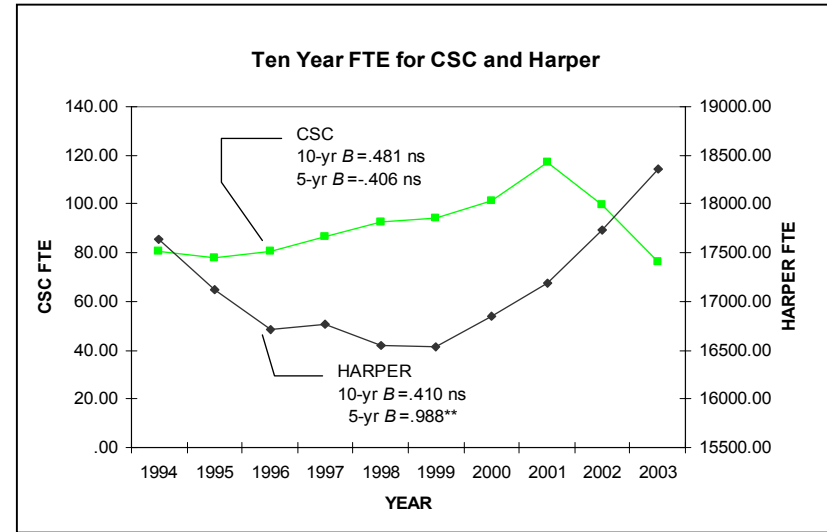
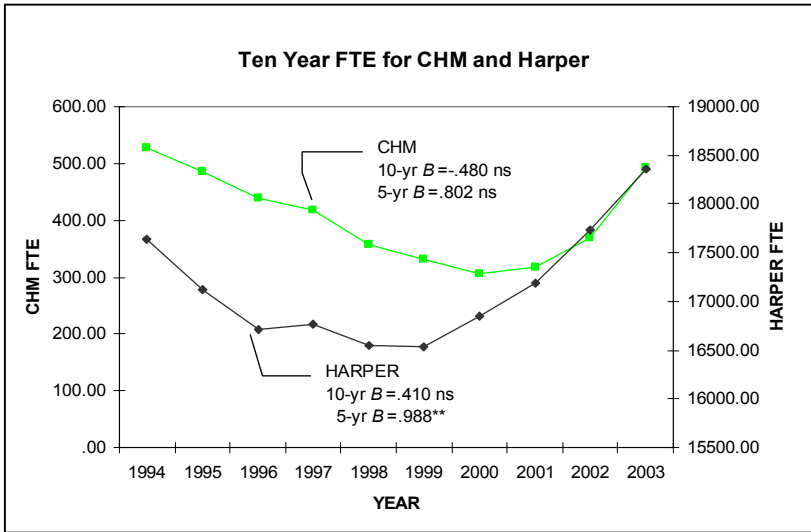
It should be noted that the left vertical axes on the graphs are set to different scales depending on the course prefix annual FTE. What may appear to be a steeper decline on a graph as compared to another graph may not be steeper due to the vertical scale.

Some general comments related to the graphs are given below:

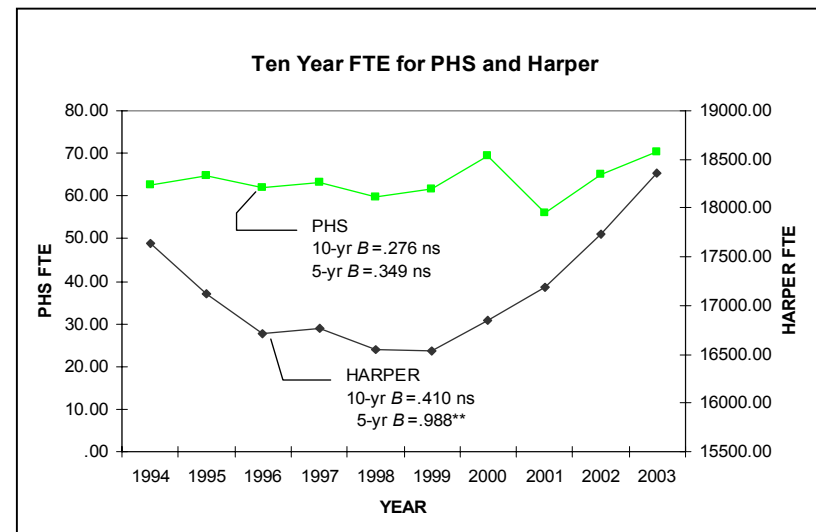
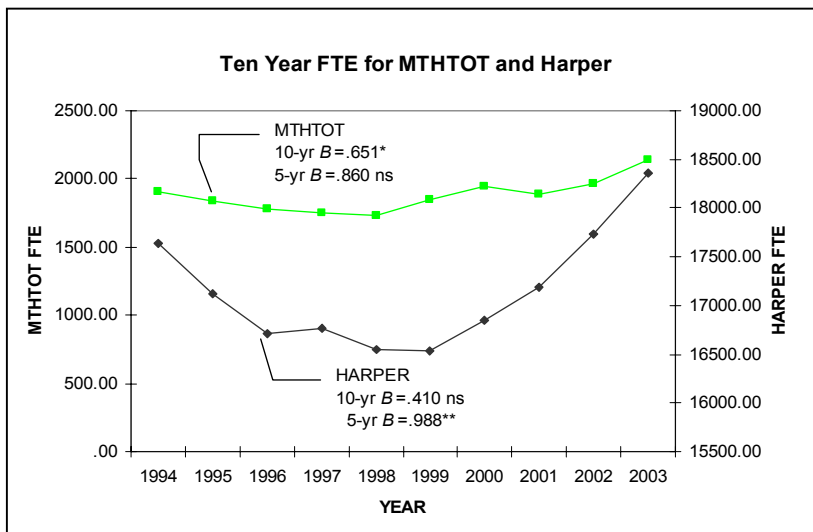
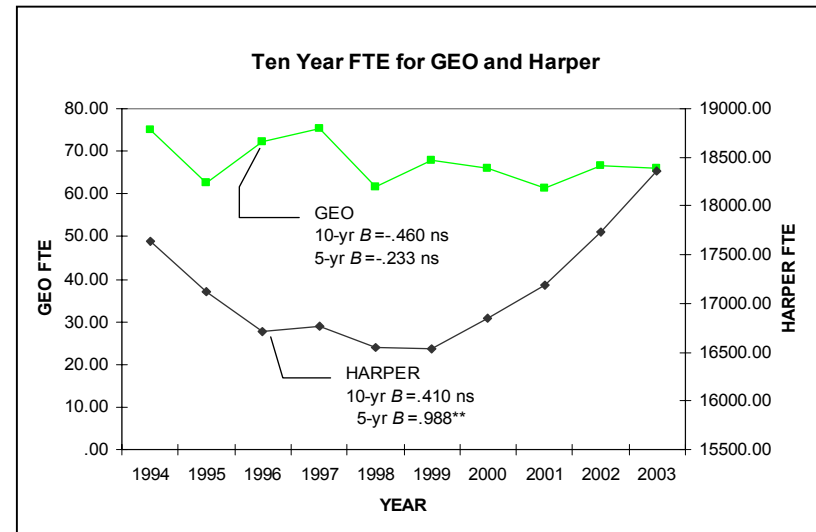
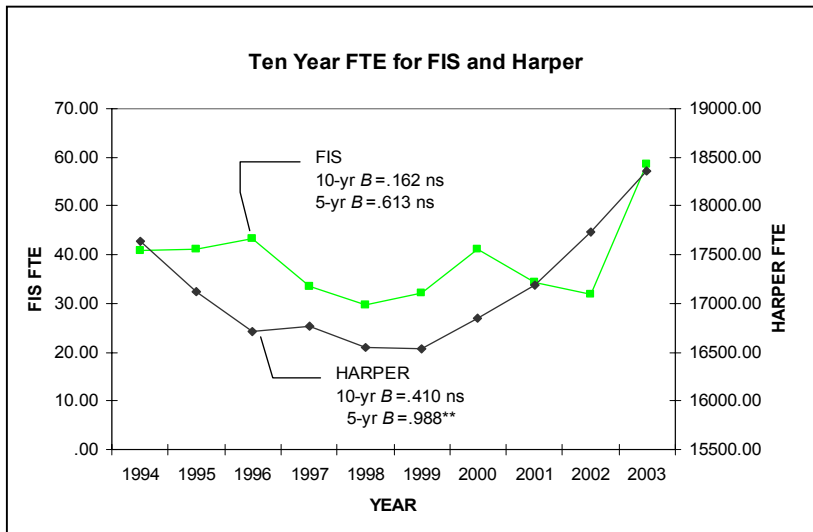
- The overall 10-year Harper trend was not significant, but the strong 5-year trend upward was significant.
- AST, and MTHTOT prefix annual FTE graphs had significant 10-year upward trends.
- ATE, and EGR exhibited significant 10-year downward trends.
- Only PHY had a significant 5-year upward trend, and no prefix had a significant 5-year downward trend.



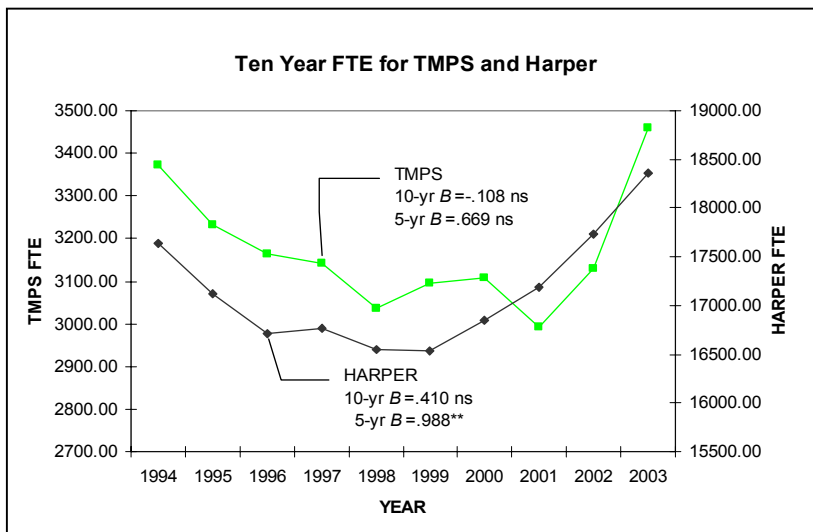
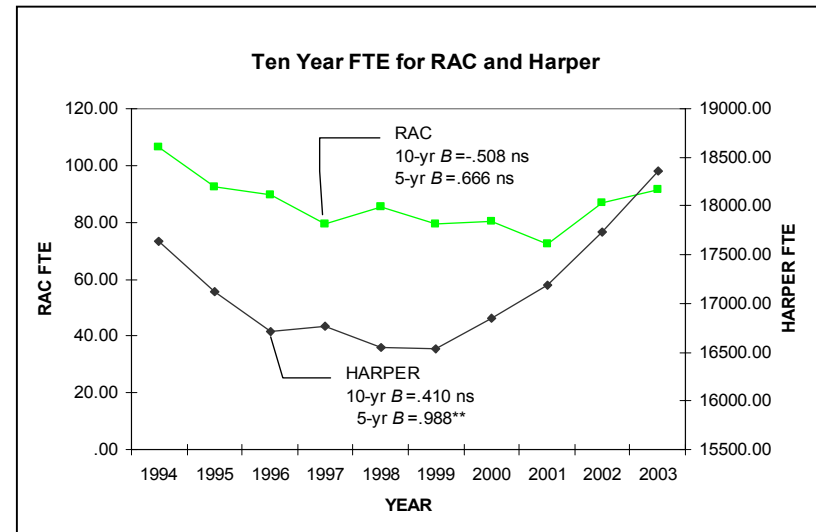
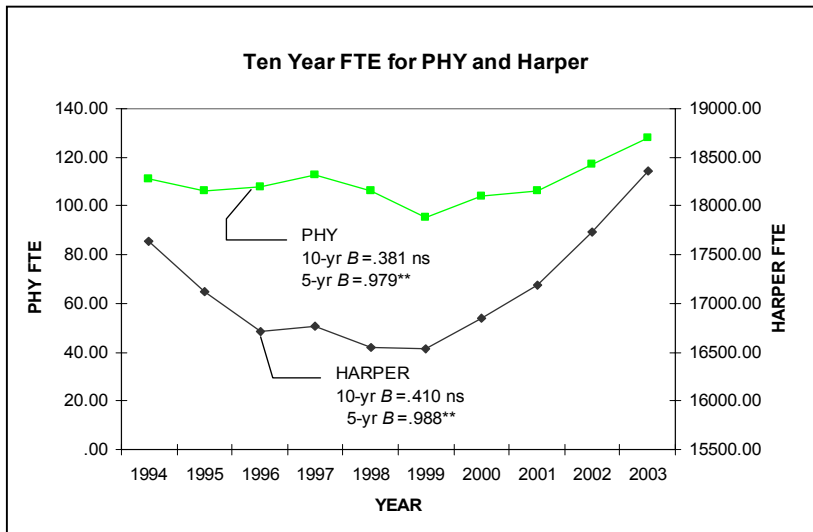
\*Significant at the .05 level. \*\*Significant at the .01 level.



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YEAR	HARPER	TMPS	AST	ATE	AUT	BCE	CHM	CSC
1994	17644.33	3372.60	98.40	95.13	10.13	21.80	526.93	80.73
1995	17115.27	3232.95	115.73	107.73	4.40	22.80	484.47	78.07
1996	16713.90	3164.12	109.60	110.33	11.93	21.80	439.40	80.40
1997	16767.52	3141.52	105.33	114.53	15.87	22.40	416.93	86.67
1998	16544.55	3036.36	126.60	100.60	18.50	24.60	356.70	92.40
1999	16528.55	3095.47	138.93	98.33	9.00	26.60	330.40	94.27
2000	16848.17	3107.07	126.93	89.53	6.27	20.60	306.53	101.20
2001	17187.30	2991.86	126.40	87.27	2.27	24.20	317.07	117.13
2002	17737.43	3129.52	128.80	74.53	2.40	17.00	368.60	99.67
2003	18362.70	3458.49	131.47	92.67	2.67	16.00	493.60	76.07

YEAR	EGR	ELT	FIS	GEO	MTHTOT	PHS	PHY	RAC
1994	53.60	96.53	40.87	74.93	1906.27	62.47	111.07	106.27
1995	40.33	99.87	41.20	62.67	1835.14	64.80	106.13	92.27
1996	40.07	122.27	43.40	72.27	1782.20	61.93	107.93	89.73
1997	34.47	160.60	33.47	75.20	1754.79	63.13	112.93	79.20
1998	30.40	158.06	29.80	61.60	1732.40	59.70	106.30	85.60
1999	20.73	129.87	32.20	68.00	1850.67	61.67	95.13	79.27
2000	28.47	79.67	41.20	66.13	1941.67	69.47	104.20	80.47
2001	23.33	51.13	34.20	61.33	1891.67	55.93	106.00	72.53
2002	16.53	65.93	32.00	66.67	1968.20	65.13	117.00	86.80
2003	22.00	66.47	58.60	65.87	2143.20	70.40	127.87	91.40