This report provides ten-year annual FTE graphs for each prefix or program within the MS Division and for the Division overall. Division totals include FTE from prefixes assigned to the division on a year-by-year basis only. 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 (2000-2009) and 5-year (2005-2009) 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. 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 and the Harper 5-year trend were significantly positive. The MS 10-year and 5-year trends were significantly positive.

- AST, BIO, CHM, MTH, PHS, PHY prefix annual FTE, and the MS Division graphs had significant 10-year upward trends, while BIO and MTH prefix annual FTE and MS Division graphs had significant 5-year upward trends.

- GEO and CSC exhibited significantly negative 10-year trends, though the 5-year trends were not significantly different than 0.
Ten Year FTE for AST and Harper

- AST 10-yr B=.950*
- 5-yr B=.504ns

- HARPER 10-yr B=.976**
- 5-yr B=.977**

Ten Year FTE for CHM and Harper

- HARPER 10-yr B=.976**
- 5-yr B=.977**

- CHM 10-yr B=.865**
- 5-yr B=.297ns

Ten Year FTE for BIO and Harper

- HARPER 10-yr B=.976**
- 5-yr B=.977**

- BIO 10-yr B=.972**
- 5-yr B=.942*

Ten Year FTE for AST and Harper

- HARPER 10-yr B=.976**
- 5-yr B=.977**

- AST 10-yr B=.650*
- 5-yr B=-.504ns

Ten Year FTE for EGR and Harper

- HARPER 10-yr B=.976**
- 5-yr B=.977**

- EGR 10-yr B=.340ns
- 5-yr B=-.314ns

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

Ten Year FTE for GEO and Harper

Ten Year FTE for CSC and Harper

Ten Year FTE for MTH and Harper

Ten Year FTE for PHS and Harper

*Significant at the .05 level. **Significant at the .01 level.
Ten Year FTE for PHY and Harper

Ten Year FTE for MS and Harper

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

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