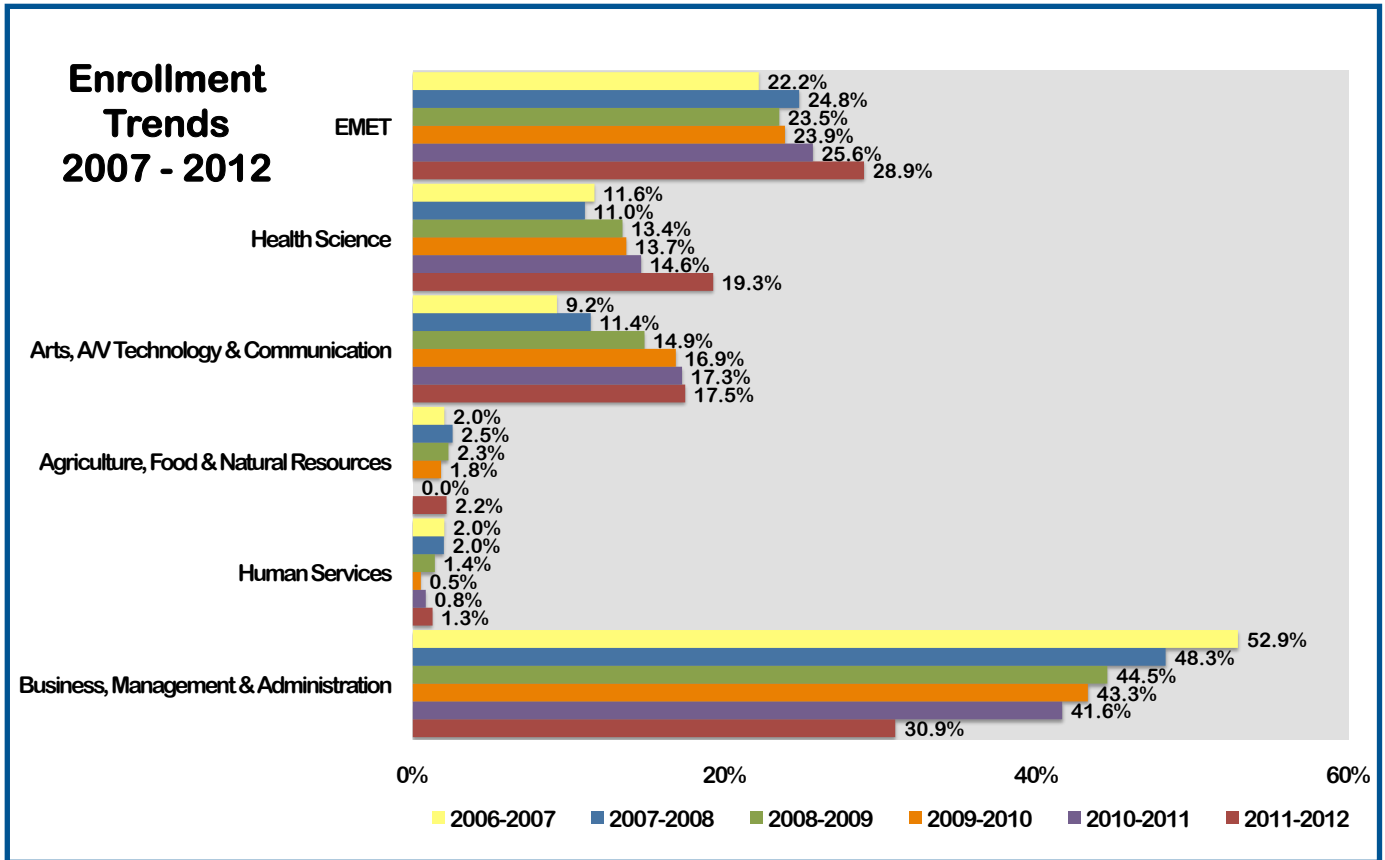


CTE DATA POINTS



Changes in Enrollment

Berrien County Career & Technical Education programs encompass an ever-changing curricula that is responsive to both the current needs of community employers and reflective of the larger jobs picture within the State of Michigan. This can be seen in the trend data changes in the student enrollment numbers documented for each of the six career pathways.

From 2007-2012, student enrollments have dramatically increased in pathways that mirror job growth and employment opportunities in sectors of the economy forecasted by state and national agencies:

- Engineering, Manufacturing & Industrial Technology from 22.2% to 28.9%, a 7.7% change,
- Health Sciences from 11.6% to 19.3%, a 7.7% change, and
- Arts, A/V Technology & Communication from 9.2% to 17.5%, a change of 8.3%.
- In 2007, just 43.1% of the Berrien students were enrolled in these three pathways combined, while in

2012, almost 2 out of every 3 students (65.7%) of the students were enrolled in these three pathways a change of 22.6%.

This student trend data also revealed a sharp decline in the career pathways that show slowed growth in the state and national economic sectors:

- Business, Management & Administration from a 52.9% enrollment in 2007, to 30.9% in 2011, a 22% drop,
- Human Services down from a 2.0% enrollment in 2007, to 1.3% in 2012, a 0.7% drop, and
- Agricultural, Food & Natural Resources maintained enrollment from 2007 to 2012 at about 2%.
- In 2007, more than half (56.9%) of the Berrien students were enrolled in these three pathways combined, while in 2012, about one out of every three students (34.4%) were enrolled in these same three pathways, a significant decrease of 22.5% in the six years reported.

Taking a Look at Gender Differences, Special Programs & Populations

Gender

Trend data from the Berrien County Career & Technical Education programs also provide evidence in the changing career choices of both female and male students.

For female students, enrollments increased in:

- Engineering, Manufacturing & Industrial Technology from 4.8% to 8.1%, a 3.3% change,
- Health Sciences from 18.1% to 28.8%, a significant 10.7% change, and
- Arts, A/V Technology & Communications from 12.2% to 25.1%, also a significant change of 12.9%.

For male students, enrollments increased in:

- Engineering, Manufacturing & Industrial Technology from 37.0% to 44.3%, a 4.2% change,
- Health Sciences from 6.1% to 12.3%, a similar 6.2% change, and
- Arts, A/V Technology & Communications from 6.7% to 11.8%, a 5.1% change.

These gender data also reflect changes to career pathways enrollments consistent with job growth forecasts, thus

- The Business, Management & Administration career pathway declined across gender with in job growth with female student enrollment decreasing from 47.9% in 2007 to 37.3% in 2012, a 12.6% drop, likewise
- Male student enrollment in Business, Management & Administration career pathway also declined from 47.9% enrollment in 2007, to 29.8% in 2012, a drop of 18.1%.

Non-Traditional Programs

Beginning in 2008, the State of Michigan also identified the career pathway choices of non-traditional students through their CTE Information System.

In Berrien County, enrollment changes reported from 2008 to 2012 by non-traditional students include:

- Engineering, Manufacturing & Industrial Technology increased from 25.9% to 30.2%, a 4.3% change, and
- Health Sciences increased from 39.6% to 51.8%, a 12.2% change.

These data also reflect changes to career pathways enrollments aligned with job growth forecasts, with

- Business, Management & Administration career pathway for non-traditional programs also declining from 7.3% to just 0.4% of enrolled students.
- This is consistent with the larger enrollment trend data for all CTE programs within the tri-county area served with other more desirable career pathways exhibiting considerable growth.

Special Populations

A concerted effort is made by the State of Michigan to serve all students through CTE. For this reason, students identified as special populations are also included as a category in the state's CTE Information System.

In Berrien County, enrollment changes reported from 2007 to 2012 by special population students include:

- Engineering, Manufacturing & Industrial Technology changed from 28.3% to 31.9%, a 3.6% increase,
- Health Sciences increased from 15.1% to 23.0%, a 7.9% change, and
- Arts, A/V Technology & Communications increased from 8.5% to 13.8%, a 5.3% change.

These data also consistent with changes to career pathways enrollments reflecting job growth forecasts in certain sectors, with

- the Business, Management & Administration career pathway for non-traditional programs also declined from 44.0% to 26.9% of enrolled students, a significant decrease of 17.1% over time.

Findings

Supportive evidence confirms that Berrien County CTE serves its students and regional employers by:

- aligning Berrien County CTE program offerings with the forecasted job growth reflecting both the state of Michigan and national trends,
- offering exemplary and leading edge programs such as the underwater welding and pharmacy tech through an ever-changing and fluid curricula, and
- partnering with *Lake Michigan College* and *Michigan Works!* to offer students and employers of southwest Michigan with *best in class* career focus and training.